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Cape Cod Metropolitan Planning Organization (MPO)

# **Cape Cod Transportation Improvement Program (TIP) Federal Fiscal Years 2012–2015**



**August 22, 2011**



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## Cape Cod Metropolitan Planning Organization

# Cape Cod Transportation Improvement Program (TIP)

Federal Fiscal Years 2012, 2013, 2014, and 2015  
(October 1, 2011 – September 30, 2015)

July—August 2011

*Prepared by the*

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**Cape Cod Metropolitan Planning Organization**  
**Cape Cod Transportation Improvement Program (TIP)**



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**ENDORSEMENT, TIP**

The signatures to follow certify that the Cape Cod Metropolitan Planning Organization (MPO) hereby endorses the Cape Cod Transportation Improvement Program (TIP) for Federal Fiscal Years 2012-2015 in fulfillment of the requirements of 23 CFR Part 450.324.

**CERTIFICATION**

Air Quality Conformity

Whereas, the 1990 Clean Air Act Amendments (CAAA) require Metropolitan Planning Organizations within non-attainment areas and/or attainment areas with maintenance plans to perform air quality conformity determinations prior to the approval of transportation plans and transportation improvement programs, and at such other times as required by regulation;

Whereas, the air quality conformity analysis prepared for the 2012 - 2015 Transportation Improvement Program also demonstrates air quality conformity of the Cape Cod Regional Transportation Plan 2012, and that all regionally significant transportation projects in the 2012 - 2015 Transportation Improvement Program are contained in the Regional Transportation Plan, and that all regionally significant projects out to 2035, the RTP time frame are modeled in the air quality conformity analyses;

Whereas, the Cape Cod MPO has completed its review accordance with Section 176(c) (4) of the Clean Air Act as amended in 1990 [42 U.S.C. 7251 (a)], and hereby certifies the FFY 2012-2015 TIP is financially constrained and that implementation of the Cape Cod Regional Transportation Plan 2012 satisfies the conformity criteria specified in both 40 CFR Part 51 and 93 (8/15/1997) and 310 CMR 60.03 (12/30/1994). Based on the results of the conformity analyses, the Cape Cod Regional Transportation Plan 2012 and the TIP FFY 2012-2015 are consistent with the air quality goals of, and in conformity with, the Massachusetts State Implementation Plan;

Therefore, in accordance with 23 CFR Part 450 Section 322 (Development and content of the Metropolitan Transportation Plan) of the March 16, 2007 Final Rules for Statewide and Metropolitan Planning, the MPO hereby endorses the Cape Cod Transportation Improvement Program (TIP) for FFY 2012-2015.

The Eastern Massachusetts Non Attainment area air quality conformity determination, with the emissions estimates and regionally significant projects, is included in full as part of Section A.



### The Cape Cod Metropolitan Planning Organization (MPO) Planning Process

The signatures to follow certify that the Comprehensive, Continuing, Cooperative Transportation Planning Process for the current local, regional, state, and federal fiscal years in the Cape Cod Metropolitan Planning Organization planning area is addressing major issues facing the region and is being conducted in accordance with the requirements of:

1. Section 134 Title 23, U.S.C., and Title 49 U.S.C. 5303, and this subpart;
2. Sections 174 and 176(c) & (d) of the Clean Air Act, as amended {42 U.S.C. 7504, 7506 (c) & (d)} and 40 CFR part 93;
3. Title VI of the Civil Rights Act of 1964, as amended {42 U.S.C. 2000d-1} and 49 CFR part 21;
4. 49 U.S.C. 5332, prohibiting discrimination on the basis of race, color, creed, national origin, sex, or age in employment or business opportunity;
5. Section 1101 (b) of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) (Pub. L. 109-59) and 49 CFR part 26 regarding the involvement of disadvantaged business enterprises (DBE) in USDOT funded projects;
6. 23 CFR part 230, regarding the implementation of an equal employment opportunity program on Federal and Federal-aid highway construction contracts;
7. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) and 49 CFR Parts 27, 37, and 38;
8. The Older Americans Act, as amended (42 U.S.C. 6101), prohibiting discrimination on the basis of age in programs or activities receiving Federal financial assistance;
9. Section 324 of title 23 U.S.C. regarding the prohibition of discrimination based on gender; and
10. Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. 794) and 49 CFR part 27 regarding discrimination against individuals with disabilities.
11. Anti-lobbying restrictions found in 49 USC Part 20. No appropriated funds may be expended by a recipient to influence or attempt to influence an officer or employee of any agency, a Member of Congress, in connection with the awarding of any Federal contract.

The currently endorsed Unified Planning Work Program, Regional Transportation Plan, and the Cape Cod Transportation Improvement Program (TIP) for Federal Fiscal Years 2012-2015 were developed in accordance with FHWA/FTA regulations, EPA regulations, and fully incorporate the applicable requirements of the 1964 Civil Rights Act and the Americans with Disabilities Act of 1990.



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Cape Cod Metropolitan Planning Organization (MPO)

**CAPE COD TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**

**SIGNATORY CERTIFICATION:**

Date: AUGUST 22, 2011

Jeffrey B. Mullan, Secretary/ CEO  
Massachusetts Department of  
Transportation (MassDOT)

Francis A. DePaola, P.E., Administrator  
MassDOT Highway Division

Peter Graham, Chairman  
Cape Cod Commission

William Doherty, MPO Representative  
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Ronald J. Bergstrom, Chairman  
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Sub-Region B (Brewster, Chatham,  
Dennis, Harwich, Yarmouth)

Aimee Eckman, Eastham  
Sub-Region C (Eastham, Orleans,  
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# Introduction

Federal legislation that contains requirements for transportation plans, programs and projects includes *Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users* (SAFETEA-LU) and the *Clean Air Act Amendments of 1990* (CAAA). Planning programs developed under the federal regulations for Cape Cod include the Regional Transportation Plan (RTP) and the Transportation Improvement Program (TIP). Figure 1 “Overview of the Transportation Planning Process” is a flow chart of the planning process.

## A1. FEDERAL TRANSPORTATION LEGISLATION

Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU)

The *Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users* (SAFETEA-LU) continues similar programs as were in the previous legislation, both the *Transportation Equity Act for the 21st Century* (TEA-21), enacted on June 9, 1998, and the *Intermodal Surface Transportation Efficiency Act of 1991* (ISTEA).

“SAFETEA-LU addresses the many challenges facing our transportation system today—challenges such as improving safety, reducing traffic congestion, improving efficiency in freight movement, increasing intermodal connectivity, and protecting the environment—as well as laying the groundwork for addressing future challenges. SAFETEA-LU promotes more efficient and effective Federal surface transportation programs by focusing on transportation issues of national significance, while giving State and local transportation decision makers more flexibility for solving transportation problems in their communities.” This excerpt quoted from: *SAFETEA-LU, A Summary of Highway Provisions*, Federal Highway Administration, Office of Legislation and Intergovernmental Affairs, Program Analysis Team, August 25, 2005. SAFETEA-LU expired on September 30, 2009, and continuing resolutions have kept programs moving forward while discussions continue on the next federal transportation legislation.



## A2. AIR QUALITY CONFORMITY STATUS

### A2a. Air Quality, Introduction and Background

The Commonwealth of Massachusetts is classified as serious nonattainment for ozone, and is divided into two nonattainment areas. The Eastern Massachusetts ozone nonattainment area includes Barnstable, Bristol, Dukes, Essex, Middlesex, Nantucket, Norfolk, Suffolk, and Worcester counties. Berkshire, Franklin, Hampden, and Hampshire counties comprise the Western Massachusetts ozone nonattainment area. With these classifications, the 1990 Clean Air Act Amendments (CAAA) required the Commonwealth to reduce its emissions of volatile organic compounds (VOCs) and nitrogen oxides (NO<sub>x</sub>), the two major precursors to ozone formation to achieve attainment of the ozone standard.

In April 2002, the cities of Lowell, Waltham, Worcester and Springfield were re-designated to attainment for carbon monoxide with EPA-approved limited maintenance plans. In April 1996, the communities of Boston, Cambridge, Chelsea, Everett, Malden, Medford, Quincy, Revere, and Somerville were classified as attainment for carbon monoxide (CO). Air quality conformity analysis must still be completed in these communities, as they have a carbon monoxide maintenance plan approved into the state implementation plan (SIP). The year 2010 carbon monoxide motor vehicle emission budget established for the Boston CO attainment area with a maintenance plan is 228.33 tons of carbon monoxide per winter day.

The CAAA also required Metropolitan Planning Organizations (MPOs) within nonattainment areas to perform conformity determinations prior to the approval of their Regional Transportation Plans (RTPs) and Transportation Improvement Programs (TIPs). Periodically, air quality analyses are conducted on all the RTPs, the purposes of which are to evaluate the RTPs' air quality impacts on the SIP. Conformity determinations are then performed to ensure that all regionally significant projects are included in the RTPs and the TIPs, and that they meet the air quality goals of the SIP. The Federal Highway Administration (FHWA) – in consultation with the Environmental Protection Agency (EPA New England) and the Massachusetts Department of Environmental Protection (DEP) – confirm and approve these conformity determinations (more details and background of major conformity milestones in recent years are provided in the Cape Cod Regional Transportation Plan 2012).

Previously, the Massachusetts Department of Transportation found the emission levels from the 2007 Regional Transportation Plans – as well as from the



more recent 2011-2014 TIPs – to be in conformance with the SIP. Each MPO had certified (and continues to certify) that all activities outlined in its RTP and its TIP:

- Will not cause or contribute to any new violation of any standard in any area;
- Will not increase the frequency or severity of any existing violation of any standard in any area; and,
- Will not delay the timely attainment of any standard or any required interim emission reductions or other milestones in any area.

Key elements of this FY 2012–2015 TIP related to air quality conformity are as follows:

- This TIP is financially constrained, and all projects in the TIP come from the conforming Cape Cod Regional Transportation Plan 2012.
- All regionally significant projects included in the TIP have been included in the air quality analysis for the conforming Plan. These projects are of the same design and concept as presented in the RTP.
- Because projects in the TIP come from the conforming RTP, *and* all Cape Cod regionally significant RTP projects for 2012 through 2015 (both Federal and Non-Federal Aid) are programmed in the TIP, the same air quality analysis used for the RTP can be used for the TIP.
- Therefore, same set of analysis results are being used in both this TIP and the Cape Cod MPO 2012 RTP for determinations of air quality conformity.
- Therefore, this TIP, in combination with the TIPs from the other MPOs in the nonattainment area, demonstrates air quality conformity.

### **Timely Implementation of Transportation Control Measures**

Transportation Control Measures (TCMs) have been required in the SIP in revisions submitted to EPA in 1979 and 1982. All SIP TCMs have been accomplished through construction or through implementation of ongoing programs. All of the projects have been included in the Region's Transportation Plan (present or past) as recommended projects or projects requiring further study.

DEP submitted to EPA its strategy of programs to show Reasonable Further Progress of a 15% reduction of VOCs in 1996 and the further 9% reduction of NO<sub>x</sub> toward attainment of the National Ambient Air Quality Standards (NAAQS) for ozone in 1999. Within that strategy there are no specific TCM projects. The strategy does call for traffic flow improvements to reduce congestion and, therefore, improve air



quality. Other transportation-related projects that have been included in the SIP control strategy are listed below:

- *Enhanced Inspection and Maintenance Program*
- *California Low Emission Vehicle Program*
- *Reformulated Gasoline for On- and Off-Road Vehicles*
- *Stage II Vapor Recovery at Gasoline Refueling Stations*
- *Tier I Federal Vehicle Standards*

### **Air Quality Conformity Analysis**

On April 2, 2008, EPA found that the 2008 and 2009 motor vehicle emissions budgets (MVEBs) in the January 31, 2008 Massachusetts 8-hour ozone State Implementation Plan revision were adequate for transportation conformity purposes. The submittal included 2008 and 2009 MVEBs for the Boston-Lawrence-Worcester (Eastern Massachusetts) and Springfield (Western Massachusetts) 8-hour ozone nonattainment areas. Massachusetts submitted these budgets as part of the 8-hour ozone attainment demonstration and reasonable further progress plan for both nonattainment areas, and as a result of EPA's adequacy finding, these budgets were required to be used for conformity determinations. EPA later determined (in 2010) that only the most recent MVEBs - 2009 - be used for future conformity determinations.

In 2010, air quality analyses were conducted on behalf of all the 2011-2014 Regional Transportation Improvement Programs (TIPs), the purposes of which were to evaluate the TIPs' air quality impacts on the SIP. Conformity determinations were performed to ensure that all regionally significant projects were included in the TIPs. The Massachusetts Department of Transportation found the emission levels from the 2011-2014 TIPs to be in conformance with the SIP. On November 15, 2010, EPA confirmed that both the Eastern and Western Massachusetts Non-Attainment areas collectively demonstrated transportation conformity, with concurrence from Massachusetts DEP on 11/23/10. On December 22, 2010, FHWA and FTA determined that the TIPs were in conformity with the Clean Air Act and the EPA conformity regulations (40 CFR Part 51).

The conformity test is to show consistency with the emissions budgets set forth in the SIP. Additional specific information regarding the analysis and modeling methods, latest planning assumptions, and consultation procedures are all detailed in the Cape



Cod MPO 2011 RTP appendices. The emissions from the following MPOs have been combined to show conformity with the SIP for the Eastern Massachusetts Ozone Nonattainment Area:

- Cape Cod MPO
- Central Massachusetts MPO
- Merrimack Valley MPO
- Boston MPO
- Montachusett Region MPO
- Northern Middlesex MPO
- Old Colony MPO
- Southeastern Region MPO
- Martha's Vineyard Commission\*
- Nantucket Planning and Economic Development Commission\*

\* These regions do not contain any official urbanized areas, but are considered to be MPOs for planning purposes.

The milestone and analysis year transportation model networks are composed of projects proposed in this 2012-2015 TIP. Projects in these networks consist of all in-place “regionally significant” projects that can reasonably be expected to be completed by a given analysis/horizon year with consideration of available funding commitments. This project group would include, but not be limited to, regionally significant projects where at least one of the following steps has occurred within the past three years:

- Comes from the first year of a previously conforming TIP,
- Completed the NEPA process, or
- Currently under construction or are undergoing right-of-way acquisition

A complete listing of future regionally significant projects for the entire Eastern Massachusetts Ozone Non-Attainment Area is provided below:



## Regionally Significant Projects Included in the Regional Transportation Models for the Eastern Massachusetts Ozone Non-Attainment Area

Analysis Year	Community	Project Description – Boston Region
2016	Bedford, Burlington	Middlesex Turnpike Improvements Phases 1 and 2
2016	Bellingham	Pulaski Boulevard
2016	Boston	Fairmount Line Improvements, including new stations
2016	Boston	East Boston Haul Road/Chelsea Truck Route (new grade separated roadway)
2016	Concord, Lincoln	Route 2/Crosby's Corner (grade separation)
2016	Danvers	Route 128/Route 35 and Route 62
2016	Hudson	Route 85 (capacity improvements from Marlborough TL to Rte 62)
2016	Marshfield	Route 139 Widening (to 4 lanes between School St. and Furnace St.)
2016	Quincy	Quincy Center Concourse, Phase 2 (new roadway: Parking Way to Hancock St.)
2016	Randolph to Wellesley	Route 128 Additional Lanes
2016	Somerville	Assembly Square Orange Line Station
2016	Somerville	Assembly Square Roadways (new and reconfigured)
2016	Weymouth, Hingham, Rockland	South Weymouth Naval Air Station Access Improvements
2016	Regionwide	1000 Additional Park and Ride Spaces
Analysis Year	Community	Description of Recommended Plan Projects– Boston Region
2016	Beverly	Beverly Station Commuter Rail Parking Garage
2016	Boston	Conley Haul Road
2016	Salem	Salem Station Commuter Rail Parking Garage Expansion
2016	Somerville, Cambridge, Medford	Green Line Extension to Medford Hillside/Union Square
2016	Weymouth	Route 18 Capacity Improvements
2020	Bedford, Burlington, Billerica	Middlesex Turnpike Improvements Phase 3 – widening Plank St. to Manning Rd.
2020	Boston	Sullivan Square/Rutherford Avenue Improvements
2020	Hanover	Route 53 Final Phase (widening to 4 lanes between Rte 3 and Rte 123)
2020	Salem	Bridge Street (widening to 4 lanes between Flint and Washington St.)
2020	Somerville, Medford	Green Line Extension to Mystic Valley Parkway (Route 16)
2025	Canton	I-95 (NB)/Dedham Street Ramp/Dedham Street Corridor (new ramp with widening on Dedham St. from I-95 to University Ave.)
2025	Canton	I-95/I-93 Interchange (new direct connect ramps)
2025	Newton, Needham	Needham Street/Highland Avenue (includes widening Charles River Bridge)
2025	Woburn	Montvale Avenue (widening between Central St. to east of Washington St.)
2025	Woburn	New Boston Street Bridge (reestablish connection over MBTA Lowell line)



Analysis Year	Community	Description of Recommended Plan Projects– Boston Region (continued)
2035	Braintree	Braintree Split - I-93/Route 3 Interchange
2035	Framingham	Route 126/135 Grade Separation
2035	Reading, Woburn, Stoneham	I-93/I-95 Interchange (new direct connect ramps)
2035	Revere, Malden, Saugus	Route 1 (widening from 4 to 6 lanes between Copeland Circle and Rt. 99)
2035	Wilmington	Tri-Town Interchange (new “Lowell Junction” interchange on I-93 between Route 125 and Dascomb Rd.)
Analysis Year	Community	Project Description – Cape Cod Region
2020	Barnstable	Yarmouth Road / Rte. 28 (widening to 4 lanes median & bike / ped) with Hyannis Access Improvements
2025	Bourne	Rte. 6 Exit 1 WB on-ramp changes and interchange improvements
2035	Bourne	Route 25 Access Ramp widening / Belmont Circle two-way travel
2035	Capewide	Daily Passenger Rail Service: between Hyannis – Middleborough for connections to Boston and Providence, RI
2035	Mashpee	Mashpee Rotary Ring Roads (connectors, Great Neck Rd., Rtes. 28 and 151.)
Analysis Year	Community	Project Description - Central Massachusetts Region
2016	Northborough	Rte 20 Church to South, signal coordination in corridor
2016	Shrewsbury/Worcester	Rte 9 Bridge over Lake Quinsigamond: widening, additional lane each direction
2016	Auburn	Rte 12/20 to Auburn TL capacity improvements and raised median
2016	Worcester	Lincoln/Highland/Pleasant Streets intersection corridor improvements, minor widening, select signal coordination
2016	Worcester	Route 20 Widening to a consistent 4 lanes
2020	Charlton, Oxford	Route 20 Widening to a consistent 4 lanes
2025	Westborough, Hopkinton	I-90/I-495 and I-495/Rt 9 Interchange Improvements (CD or frontage roads)
2035	Worcester	Route 122/122A Madison St/Chandler St. Kelley Square to Pleasant St: various improvements and signal coordination
2035	Worcester	I-290 Hope Ave. (to full interchange and roundabout at Webster and Hope)
2035	Millbury, Sutton	Route 146 Improvements: Route 122A to Central Turnpike
Analysis Year	Community	Project Description – Martha’s Vineyard Region
n/a	n/a	none
Analysis Year	Community	Project Description – Merrimack Valley Region
2016	Amesbury	Route 110 from I-495 to I-95 (widen from 2 lanes to 4)
2020	Newburyport, Amesbury	I-95 over Merrimack River (Whittier Bridge widening from 6 to 8 lanes)
2020	Methuen	Route 110/113 (Methuen Rotary – new interchange ramps at I-93)
2025	Lawrence, North Andover	Route 114 (widening from I-495 to Waverly Road)
2035	Andover	Tri-Town Interchange (new “Lowell Junction” interchange on I-93 between Route 125 and Dascomb Rd.) and I-93 widening to 4 lanes in each direction from new interchange/current “lane drop” area to I-495.





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Analysis Year	Community	Project Description – Montachusett Region
2016	Fitchburg/Westminster	New Wachusett Commuter Rail Station
2016	Ayer to South Acton	Fitchburg Line Commuter Rail Improvements (double track)
2020	Leominster	Route 13 Hawes St. to Prospect St. (some widening, new signals, etc)
2025	Athol	New Interchange on Route 2 at South Athol Road
Analysis Year	Community	Project Description – Nantucket Region
n/a	n/a	none
Analysis Year	Community	Project Description – Northern Middlesex Region
2016	Westford	Route 110 Minot's Corner to Nixon widen to 4 lanes
2020	Billerica	Middlesex Turnpike Improvements Phase 3 – widening Plank St. to Manning Rd.
2035	Tewksbury	Tri-Town Interchange (new "Lowell Junction" interchange on I-93 between Route 125 and Dascomb Rd.) and I-93 widening to 4 lanes in each direction from new interchange/current "lane drop" area to I-495.
2035	Westford	I-495 at Boston Road (Exit 32) widening of on and off ramps
2035	Lowell, Tewksbury, Chelmsford, and Westford	I-495 Additional travel lane each direction between Exits 32 and 35 and between Exits 37 and 40
2035	Lowell	Wood Street, Rourke Bridge: new bridge, widening and corridor improvements
Analysis Year	Community	Project Description – Old Colony Region
2016	Abington	Route 18 - Widening to 4 Lanes from Route 139 to Highland Rd.
2020	Brockton	Route 123 - Widen from Route 24 to Angus Beaton Drive
2020	Bridgewater n/a	Route 24 - Add Northbound Slip Ramp from Route 104 WB to Route 24 NB Northbound
2020	Plymouth	Route 3 - Add Northbound on-Ramp at Long Pond Road (Exit 5)
2020	Plymouth	Long Pond Road Bridge widening (Exit 5)
2025	Brockton	Main Street, Warren Avenue, Spring Street, West Elm Street, Belmont Street - Reestablish Two-Way Circulation
2025	West Bridgewater	Route 106 - Widening from 2 to 4 Lanes between Route 24 and Route 28
2035	Plymouth	Route 3 – Add NB Off-ramp to Plimouth Plantation Hwy (Exit 4)
2035	Plymouth	Route 25 - Add New Interchange Before Exit 1 and connect to Bourne Road
2035	West Bridgewater	Route 28, Route 106, Central Square Signal and intersection coordination
Analysis Year	Community	Project Description – Southeastern Massachusetts Region
2016	Fall River, Somerset	New Brightman Street Bridge - capacity improvements to 4 lane divided facility
2016	Fall River	Route 79/Davol Street (interchange improvements and new traffic circulation)
2016	Freetown	Route 24 - New Interchange (Exit 8 ½)
2016	Mansfield	Route 140 / I-495 New Southbound On-Ramp



Analysis Year	Community	Project Description – Southeastern Massachusetts Region (continued)
2020	Dartmouth	Route 6 (Faunce Corner Rd) / I-195 Interchange - Bridge Widening to 5 Lanes
2035	Taunton	Route 24 / 140 - Interchange Reconstruction

Using the latest planning assumptions, the Massachusetts Department of Transportation, Office of Transportation Planning, in coordination with MPO staff, estimated the emissions for VOC and NOx for all MPOs in Eastern Massachusetts through a combination of the statewide and Boston Region travel demand models. The VOC mobile source emission budget for 2009 and beyond for the Eastern Massachusetts Nonattainment Area has been set at 63.50 tons per summer day and the 2009 (and beyond) mobile source budget for NOx is 174.96 tons per summer day. As shown in Tables 1 and 2, the results of the air quality analysis demonstrate that the VOC and NOx emissions from all Action scenarios are less than the VOC and NOx emissions budgets for the Eastern Massachusetts Nonattainment Area:

TABLE 1: VOC Emissions Estimates for the Eastern Massachusetts Ozone Nonattainment Area (all emissions in tons per summer day)

Year	Cape Cod Action Emissions	Eastern MA Action Emissions	Budget	Difference (Action - Budget)
2010	n/a	64.974	n/a	n/a
2016	1.9519	36.232	63.50	-27.268
2020	1.7496	32.386	63.50	-31.114
2025	1.6404	30.988	63.50	-32.512
2035	1.6981	31.063	63.50	-32.437

TABLE 2: NOx Emissions Estimates for the Eastern Massachusetts Ozone Nonattainment Area (all emissions in tons per summer day)

Year	Cape Cod Action Emissions	Eastern MA Action Emissions	Budget	Difference (Action - Budget)
2010	n/a	178.925	n/a	n/a
2016	3.3645	66.219	174.96	-108.741
2020	2.2223	45.188	174.96	-129.772
2025	1.6799	36.521	174.96	-138.439
2035	1.4689	29.038	174.96	-145.922



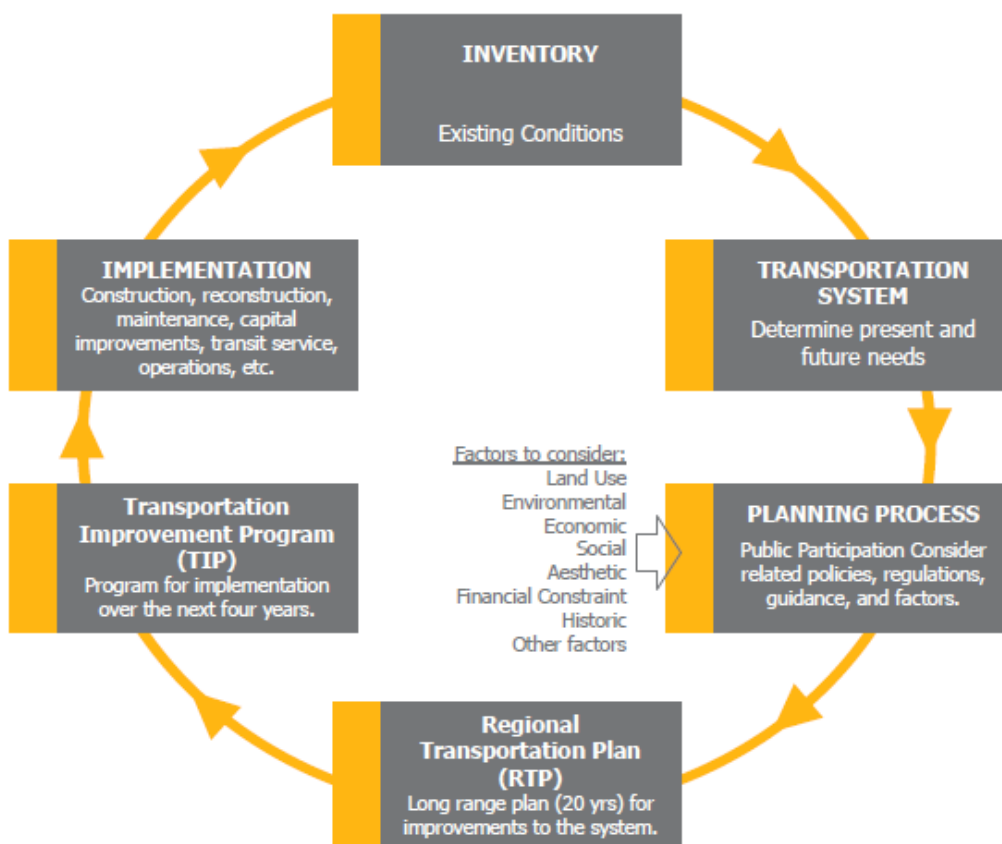
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In summary, this TIP is derived from the conforming 2012 Cape Cod Transportation Plan, and the conformity determination analysis has been prepared in accordance with EPA's final conformity regulations. The air quality analyses outlined in this document demonstrate that the implementation of the TIP satisfies the conformity criteria where applicable and is consistent with the air quality goals in the Massachusetts SIP.

Specifically, the Cape Cod MPO has found the emission levels from this FY 2012-2015 TIP – in combination with the emission levels from the other MPOs in its nonattainment area – demonstrate conformity with the SIP, the Clean Air Act, and the EPA conformity regulations (40 CFR part 51)



FIGURE 1: OVERVIEW OF TRANSPORTATION PLANNING PROCESS



### A3. CAPE COD TRANSPORTATION IMPROVEMENT PROGRAM AND MPO

The Cape Cod Transportation Improvement Program (TIP) is devised from the Regional Transportation Plan (RTP) and includes the short-term transportation projects proposed for implementation in the next four years. The TIP is required to be updated every four years under federal law, and typically, in Massachusetts the TIP is updated each year. The development of the TIP occurs in coordination with the statewide schedule, and usually results in a statewide program of projects in place and submitted for federal approvals prior to the beginning of the Federal Fiscal Year on October 1. TIP development generally leads to action on endorsement by the Cape Cod Metropolitan Planning Organization (MPO) in July or August each year.



The TIP is a listing of federal aid eligible transportation projects for Cape Cod that is prepared by the Cape Cod Commission (CCC) transportation staff, the Cape Cod Regional Transit Authority (CCRTA) staff, Massachusetts Department of Transportation (MassDOT) staff, and the Cape Cod Joint Transportation Committee (CCJTC) along with public input, and in cooperation with state and federal agencies. The TIP must be financially constrained to estimated funds that are determined cooperatively with federal, state, and regional participants. The TIP must conform to the air quality plans and programs.

The MPO consists of the Massachusetts Department of Transportation (MassDOT) Secretary/CEO, the MassDOT Highway Administrator, the Cape Cod Commission (CCC) Chairman, Cape Cod Regional Transit Authority (CCRTA) Chairman, Barnstable County Commissioner Chairman, Barnstable Town Council Chairman, and Selectmen representing the Cape Cod sub-regions, and/or their designees. The Federal Highway Administration, Federal Transit Administration, Army Corps of Engineers, Cape Cod National Seashore, the Woods Hole, Martha's Vineyard and Nantucket Steamship Authority, and the Chair of the Cape Cod Joint Transportation Committee serve as non-voting, Ex-Officio members of the MPO.

The Cape Cod Joint Transportation Committee (CCJTC), with members from all fifteen Barnstable County towns and a bicycle representative, is also the MPO advisory group. The TIP must be endorsed by the Cape Cod Metropolitan Planning Organization (MPO) members, combined with other regional TIPs into the State Transportation Improvement Program (STIP), and approved by federal agencies in order for the federal aid transportation projects to proceed.

## A4. PUBLIC PARTICIPATION PROCESS

### A4a. Schedule and Public Participation

Pursuant to Federal Highway Administration 23 CFR Part 450 and Federal Transit Administration 49 CFR, the Cape Cod Transportation Improvement Program (TIP) was developed locally, and is based on the latest Regional Transportation Plan (RTP).

The RTP development discussions with various representatives, including those from Cape Air, Barnstable Municipal Airport, MassCoastal Railroad, Plymouth & Brockton Street Railway, Inc., Woods Hole, Martha's Vineyard, and Nantucket Steamship Authority, and the HyLine Ferry. The publicly held discussions assisted in the RTP recommended strategies, studies, and items to implement.

In the fifteen towns on Cape Cod, the TIP project time frame has averaged approximately five to ten years from concept to construction, and the Cape Cod Joint Transportation Committee (CCJTC) strives to improve communication and processes related to the project development process. Project evaluation and status discussions



occur primarily in the open public CCJTC meetings-with representatives of the Massachusetts Department of Transportation (MassDOT) typically present and participating. Project proponents and/or consultants on TIP projects are often present as well. The CCJTC includes representatives from each town (typically representatives of public works, engineering, and/or planning departments), a bicycle representative, as well as representatives of MassDOT, CCC, CCRTA, and other local groups.

Each year an annual discussion with regional, state, and federal partners on the federal and state financial resources for the collective TIPs is held jointly in the spring. The Cape Cod Commission has been a regular attendee to these statewide meetings and related discussions for information exchange. All of the CCJTC meetings are open to the public and are typically held on a monthly basis.

This TIP was produced in accordance with the latest Public Participation Program (PPP) established for the Cape Cod Region. The Draft TIP is available online at the Web site: [www.gocapecod.org/tip](http://www.gocapecod.org/tip). Some of the meetings related to the development of the TIP for discussion and/or endorsement include:

<i><b>Date</b></i>	<i><b>Meeting</b></i>	<i><b>Location</b></i>
April 8, 2011 .....	CCJTC Meeting .....	Barnstable
April 14, 2011 .....	Trans. Open House .....	Barnstable
May 13, 2011 .....	CCJTC Meeting .....	Barnstable
June 10, 2011 .....	CCJTC Meeting .....	Barnstable
July 8, 2011 .....	CCJTC Meeting .....	Barnstable
July 18, 2011 .....	MPO Meeting .....	Barnstable
August 12, 2011 .....	CCJTC Meeting .....	Barnstable
August 16, 2011 .....	Public Meeting .....	Barnstable
August 22, 2011 .....	MPO Meeting .....	Barnstable

Meetings are subject to change, and additional meetings may be scheduled. For the latest information on the meetings of the Cape Cod Joint Transportation Committee (CCJTC), the Cape Cod Metropolitan Planning Organization (MPO), and/or the Cape Cod Commission (CCC), please call the CCC at 508-362-3828.

## A5. ADJUSTMENT/AMENDMENT PROCEDURES AND SUBSTITUTIONS

The Cape Cod MPO process follows an annual schedule for development of the Transportation Improvement Program (TIP) to be roughly compatible with the development schedule of the State Transportation Improvement Program (STIP), as is required under 23 CFR 450.324.



The inclusion of a project in the TIP is sufficient for the project proponent to proceed toward implementation. Inclusion on this list does not guarantee funding; the project proponent is responsible for completing the steps toward implementation within the program. For a highway project, the obligation of the federal and state funds occurs when the project is advertised for construction by MassDOT. For a transit project, the obligation of the funding is through an electronic approval system by FTA.

The Cape Cod Joint Transportation Committee recommends inclusion in the statewide program of the projects as programmed in this TIP for Cape Cod, with regional consensus and endorsement by the Cape Cod MPO. Projects that are in the first years of the TIP, which have designs completed or well underway, have public support in addition to the regional support.

#### A5A. ADMINISTRATIVE ADJUSTMENT PROCESS

In the event a project in the annual element, or current Federal Fiscal Year, is not proceeding in the programmed year, the substitution of another project from the outer years of the TIP for implementation in the current year is considered by the Cape Cod MPO to be an administrative adjustment provided that the following conditions are true:

- Consensus in the region for this project to move forward.
- Financial constraint of the TIP is maintained.
- The project must be an exempt project, conformity determination not required.
- A letter requesting the administrative adjustment is forwarded to the Director of the MassDOT Office of Transportation Planning to reflect the adjustment in the STIP.

Other changes that are allowed as administrative modifications include project name, scope, and/or cost estimate changes, as long as those changes are considered to be minor in nature. For example, a project cost increase within 10% of the existing amount programmed already, may be considered a minor adjustment.

#### A5B. AMENDMENT PROCESS

In order for implementation of projects to proceed in the current year, a previously unlisted project may be amended into the TIP. An action to add a new project is considered by the Cape Cod MPO to be an amendment if the following conditions are true:

- Consensus in the region for this project to be included and move forward.
- Financial constraint of the TIP is maintained.
- A Cape Cod MPO meeting to endorse the amendment(s).



- Conformity determination is required unless the amendment(s) consist(s) entirely of exempt projects.
- An outer year TIP project or a Non Federal Aid project is not considered a new project and may be an Administrative Adjustment—see above Administrative Adjustment Process.

## A6. TRANSPORTATION FUNDING PROGRAMS

Most funding categories in this TIP are through federal sources: Federal Highway Administration (FHWA) and Federal Transit Administration (FTA) as provided by extensions of the current federal legislation. The federal transportation legislation is the Safe, Accountable, Flexible, Efficient Transportation Equity Act-A Legacy for Users (SAFETEA-LU). The following are brief descriptions of the various funding programs used for transportation projects on Cape Cod in the TIP:

### **FEDERAL HIGHWAY ADMINISTRATION (FHWA) AND STATE MATCHING FUNDS**

#### **Congestion Management/Air Quality Improvement Program (CMAQ) -**

This funding category directs funds towards demonstration transportation projects in Clean Air Act non-attainment areas for ozone and carbon monoxide. Projects must contribute to attainment of national ambient air quality standards. FHWA share is 80%, state/local share is 20%.

**Bridge Replacement and Rehabilitation Program (BR)** - This federal bridge program provides for the replacement or repair of bridges on or off the federal aid system. FHWA share is 80%, state share 20%.

**Surface Transportation Program (STP)** - This program provides funds for state and local roadways that are classified higher than Rural Minor Collector or Local. These funds, however, are flexible and may be used for a variety of other activities, such as transit projects. FHWA share is 80%, state/local share 20%.

A portion of STP funds is for projects qualifying under one of the categories of **Transportation Enhancements (STP-E)**. These are projects above and beyond the usual transportation project but directly related to transportation such as preservation of historic transportation facilities and stormwater mitigation. FHWA share is 80%, state/local share 20%.

**Highway Safety Improvement Program (HSIP)** - This program provides funds for safety improvements that are directed to the top 5% of high safety problem locations within the region. A Road Safety Audit (RSA) with federal, state, regional, and local partners collaborates on the crash experience, geometric configuration, and other factors to identify potential improvements.



**National Highway System (NHS)** - This program provides funds for roadways classified as part of the National Highway System. These are usually the interstates, principal arterials and connections to ports and intermodal facilities. The NHS system was designated in 1995.

**High Priority Project (HPP)** - TEA-21 included a specific list of certain projects entitled "High Priority Projects", or earmarks. An amount of funding has been designated for implementation once these projects are scheduled in the TIP/STIP, designed and have all approvals. FHWA share is typically 90%, with the state/local share providing the remaining 10%.

**Ferry Boat Discretionary (FBD)** - This is a discretionary funding program for improvements related to ferryboat service. Since August 2000, FBD projects are listed in TIP year 3 unless funding is in place. In other words, a year 3 project is typically a request for funding; once approved for FBD funding, the project may move into year one of the TIP for implementation through an administrative adjustment.

**Non Federal Aid (NFA)** - These projects are not funded with federal dollars. Typically, projects in this category are funded through state bonding, and are generally state maintenance projects.

**Scenic Byways (SB)** - This is a discretionary federal funding program for improvements related to scenic byways; only Route 6A qualifies for this funding currently on Cape Cod. FHWA share is 80%, state/local share 20%.

**American Recovery and Reinvestment Act of 2009 (ARRA)** - This funding originates in the economic stimulus bill, and is commonly referred to as "stimulus" funding.

#### **TRANSIT FUNDING CATEGORIES, FEDERAL TRANSIT ADMINISTRATION (FTA) AND STATE MATCHING FUNDS**

**FTA 5309** Formerly Section 3 - This category is discretionary funds for capital expenditures such as buses and terminal facilities; projects need federally earmarked 5309 funds to proceed.

**FTA 5307** Formerly Section 9 - These funds are primarily for capital expenditures. In urbanized areas (UZA) with a population over 200,000, the use for operating assistance is limited. This funding is distributed to UZAs over 200,000 population via formula.



**FTA 5310** Formerly Section 16 - This program funds public transit projects in rural areas.

**FTA 5311** Formerly Section 18 - This program funds public transit projects in rural areas. MassDOT and FTA grant 5311 funds on a discretionary basis. Funds are for both capital and operating expenses. Federal share currently funds approximately 13% of total cost.

**Mobility Assistance Program (MAP)** - This MassDOT program funds capital improvements for transportation services for people who are elderly and/or have disabilities.



## CAPE COD TIP PROJECTS

### B1. CAPE COD PROJECTS, FEDERAL AID AND NON FEDERAL AID

The following pages include the projects for the Cape Cod region that are in this program for Federal Aid or Non Federal Aid funding. In this TIP, the Federal Fiscal Year (FY) 2012 and FY 2013 projects are the region's highest priority projects that should be ready to move to implementation.

#### Programming/Implementation Note:

While it is recognized that this TIP is a planning program of projects and implementation must follow from the responsible implementing agency or agencies, the Cape Cod region expects cooperation, communication and an expeditious review process by agencies with the responsibility of overseeing steps toward implementation in order to ensure the maximum compliance with the programmed plan of projects. This effort by overseeing agencies will promote implementation of projects within the planned program and allow the financial plan to remain in balance.

#### SUMMARY OF FUNDING FOR CAPE COD PROJECTS

The Cape Cod federal aid target amounts, from Federal Highway Administration sources through the Commonwealth of Massachusetts, Massachusetts Highway Department, based on approximately 4.58% of the statewide amounts, are listed below, and the current amount programmed is the right column.

Projects programmed in years 2012-2015 reflect 2012 cost estimates. An inflation rate of 4% per year is added to project cost estimates in years 2013-2015, and therefore, the project cost estimates are by YEAR OF EXPENDITURE (YOE) for target projects in years 2013-2015.

<b>YEAR</b>	<b>Total Federal Aid</b>	<b>Amount Programmed</b>
2012	\$ 5,911,680	\$ 5,297,120
2013	\$ 5,896,316	\$ 4,836,593
2014	\$ 5,742,714	\$ 5,284,200
2015	\$ 6,252,238	\$ 5,763,160
TOTALS:	\$ 23,802,948	\$ 21,181,073

The list of specific Cape Cod projects follows.

# 2012 Cape Cod MPO Transportation Improvement Program

8/22/2011 Endorsed

MassDOT Project ID ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
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## ► Section 1A / Federal Aid Target Projects

### ► STP - Surface Transportation Program

No Projects Programmed				\$ -	\$ -	\$ -	
STP Subtotal ►				\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal

### ► HSIP - Highway Safety Improvement Program

605375	DENNIS- RECONSTRUCTION ON ROUTE 134, FROM ROUTE 28 TO UPPER COUNTY ROAD (Rte. 134 at Upper County Rd intersection -HSIP)	5	HSIP	\$ 1,300,000	\$ 1,170,000	\$ 130,000	CONSTRUCTION Dennis Route 134: HSIP \$1,300,000 CMAQ \$2,500,000 TOTAL \$3,800,000 Design 25% submitted Dec10; PublicHearing 6/30/11
605243	YARMOUTH- INTERSECTION & SIGNAL IMPROVEMENTS AT OLD TOWN HOUSE ROAD & FOREST ROAD	5	HSIP	\$ 1,221,000	\$ 1,098,900	\$ 122,100	CONSTRUCTION, TOTAL \$1,221,000 Design status 100%
HSIP Subtotal ►				\$ 2,521,000	\$ 2,268,900	\$ 252,100	◀ Funding Split Varies by Project Specifications

### ► CMAQ - Congestion Mitigation and Air Quality Improvement Program

605375	DENNIS- RECONSTRUCTION ON ROUTE 134, FROM ROUTE 28 TO UPPER COUNTY ROAD	5	CMAQ	\$ 2,500,000	\$ 2,000,000	\$ 500,000	CONSTRUCTION Dennis Route 134: HSIP \$1,300,000 CMAQ \$2,500,000 TOTAL \$3,800,000 Design 25% submitted Dec10;
	CCRTA - NEW TRANSIT SERVICE DEMONSTRATION BOURNE TO SANDWICH (\$277,160 TOTAL)	5	CMAQ>FTA	\$ 138,580	\$ 138,580	\$ -	\$138,580 TRANSFER TO FTA (\$277,160 Total cost)
	CCRTA - NEW TRANSIT SERVICE DEMONSTRATION BOURNE TO FALMOUTH (\$275,080 TOTAL)	5	CMAQ>FTA	\$ 137,540	\$ 137,540	\$ -	\$137,540 TRANSFER TO FTA (\$275,080 Total cost)
CMAQ Subtotal ►				\$ 2,776,120	\$ 2,276,120	\$ 500,000	◀ 80% Federal + 20% Non-Federal

## ► Section 1A / Fiscal Constraint Analysis

Total Federal Aid Target Funds Programmed ►	\$ 5,297,120	\$ 5,911,680	◀Total	\$ 5,911,680	Target Funds Available
Total STP Programmed ►	\$ -	\$ 5,453,166	◀ Max. STP	\$ 5,453,166	STP Available
Total HSIP Programmed ►	\$ 2,521,000	\$ 458,514	◀ Min. HSIP	\$ (2,062,486)	HSIP Minimum Met
Total CMAQ Programmed ►	\$ 2,776,120	\$ -	◀ Min. CMAQ	\$ (2,776,120)	
				\$ 614,560	REMAINING AVAILABLE

## ► Section 1B / Federal Aid Bridge Projects

No Projects Programmed				\$ -	\$ -	\$ -	
No Projects Programmed				\$ -	\$ -	\$ -	
BR Subtotal ►				\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal

## ► Section 1C / Federal Aid Non-Target Projects

### ► Earmarks

	CAPE COD NATIONAL SEASHORE/NPS CACO VARIOUS PAVEMENT MANAGEMENT PROJECTS	5	FLHP	\$ 587,000	587,000	-	CONSTRUCTION
	Woods Hole, Martha's Vineyard, and Nantucket Steamship Authority (SSA) VESSEL SEWAGE PUMP-OUT SYSTEMS and VEHICLE MODIFICATIONS in Woods Hole, Vineyard Haven, Hyannis, and Nantucket	5	FBD	\$ 1,800,000	\$ 1,270,000	\$ 530,000	
Earmarks Subtotal ►				\$ 2,387,000	\$ 1,857,000	\$ 530,000	◀ Funding Split Varies by Earmark

### ► Other

No Projects Programmed				\$ -	\$ -	\$ -	
Other Subtotal ►				\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source

## ► Section 1D / Federal Aid Major & State Category Projects

### ► IM - Interstate Maintenance

IM Subtotal ►				\$ -	\$ -	\$ -	◀ 90% Federal + 10% Non-Federal
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### ► NHS - National Highway System

No Projects Programmed				\$ -	\$ -	\$ -	
NHS Subtotal ►				\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal

### ► Other

# 2012 Cape Cod MPO Transportation Improvement Program

8/22/2011 Endorsed

MassDOT Project ID ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
	No Projects Programmed			\$ -	-	-	
			Other Subtotal ►	\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source

## ► Section 2A / Non-Federal Projects

				\$ -		\$ -	
	No Projects Programmed			\$ -		\$ -	
			Non-Federal Projects Subtotal ►	\$ -		\$ -	◀ 100% Non-Federal

## ► Section 2B / Non-Federal Bridge Projects

603892	DENNIS- BRIDGE REPLACEMENT, D-07-001, UPPER COUNTY ROAD OVER SWAN POND RIVER	5	ABP-GANS	\$ 2,669,125		\$ 2,669,125	Total cost \$2,669,125 Design status 25%
605291	DENNIS- BRIDGE REPLACEMENT, D-07-006, MAIN STREET (SR 28) OVER WATER SWAN POND RIVER	5	ABP-GANS	\$ 5,441,952		\$ 5,441,952	Total cost \$5,441,952 Design status 25%
603690	CHATHAM- BRIDGE REPLACEMENT, C-07-01, BRIDGE STREET OVER THE MITCHELL RIVER	5	ABP-GANS	\$ 10,555,222		\$ 10,555,222	Total cost \$10,555,222 Design status 25%
			Non-Federal Bridge Projects Subtotal ►	\$ 18,666,299		\$ 18,666,299	◀ 100% Non-Federal

# 2012 Cape Cod MPO TIP Summary

TIP Section 1: ▼ TIP Section 2: ▼ Total of All Projects ▼

Total ►	\$ 7,684,120	\$ 18,666,299	\$ 26,350,419	◀ Total Spending in Region
Federal Funds ►	\$ 6,402,020		\$ 6,402,020	◀ Total Federal Spending in Region
Non-Federal Funds ►	\$ 1,282,100	\$ 18,666,299	\$ 19,948,399	◀ Total Non-Federal Spending in Region

Project estimated total costs are BY YEAR OF EXPENDITURE (YOE), for years 2013-2015 an annual inflation rate of 4% is assumed.

701 CMR 7.00 Use of Road Flaggers and Police Details on Public Works Projects / 701 CMR 7.00 (the Regulation) was promulgated and became law on October 3, 2008. Under this Regulation, the CMR is applicable to any Public works Project that is performed within the limits of, or that impact traffic on, any Public Road. The Municipal Limitation referenced in this Regulation is applicable only to projects where the Municipality is the Awarding Authority. For all projects contained in the TIP, the Commonwealth is the Awarding Authority. Therefore, all projects must be considered and implemented in accordance with 701 CMR 7.00, and the Road Flagger and Police Detail Guidelines. By placing a project on the TIP, the Municipality acknowledges that 701 CMR 7.00 is applicable to its project and design and construction will be fully compliant with this Regulation. This information, and additional information relative to guidance and implementation of the Regulation can be found at the following link on the MassDOT Highway Division website: <http://www.massdot.state.ma.us/Highway/flaggers/main.aspx>

# 2012 Cape Cod MPO Transportation Improvement Program

8/22/2011 Endorsed

FTA Program ▼	Regional Transit Authority ▼	Project Description ▼	Carryover or Earmark Details ▼	Federal Funds ▼	State Match Sources					RTA Funds ▼	Total Cost ▼
					RTACAP ▼	MAP ▼	ITCCAP ▼	TDC ▼	SCA ▼		
5307 ►	CCRTA	Operating Assistance, Urbanized Area	Yes, 2011	\$ 269,060	\$ -	\$ -	\$ -	\$ -	\$ 269,060	\$ 293,219	\$ 831,339
	CCRTA	Preventative Maintenance	Yes, 2011	\$ 2,197,277	\$ -	\$ -	\$ -	\$ -	\$ 549,319	\$ 293,219	\$ 3,039,815
	CCRTA	ADA Paratransit	Yes, 2011	\$ 496,123	\$ -	\$ -	\$ -	\$ -	\$ 124,031	\$ 733,049	\$ 1,353,203
	CCRTA	Transit Enhancements	Yes, 2011	\$ 46,745	\$ 11,686	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 58,431
		FY12 Capital: MAP accessories, Narrowband Radio upgrade (\$84,000), Shop Equipment (\$103,000), IT hardware/software (\$32,000), bus annunciator (\$140,900)									
	CCRTA										
	CCRTA	Rail Demo Subsidy	No	\$ 485,960	\$ 121,490	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 607,450
	CCRTA	Master Plan for HTC	No	\$ 200,000	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000
	CCRTA		No	\$ 240,000	\$ 60,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000
5307 Subtotal ►				\$ 3,935,165	\$ 243,176	\$ -	\$ -	\$ -	\$ 942,410	\$ 1,319,487	\$ 6,440,238
5309 ►		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	5309 Subtotal ►			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5310 ►	CCRTA		N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	5310 Subtotal ►			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5311 ►	CCRTA	Operating Assistance, Non-Urbanized Area	Yes, 2011	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	5311 Subtotal ►			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5316 ►		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	5316 Subtotal ►			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5317 ►		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	5317 Subtotal ►			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SoGR ►		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Livability ►		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TIGER ►		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants Subtotal ►				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other ►			N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Operating Subtotal ►			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total ►				\$ 3,935,165	\$ 243,176	\$ -	\$ -	\$ -	\$ 942,410	\$ 1,319,487	\$ 6,440,238

## Fiscal Constraint Analysis

Federal Funding Source ▼	Programmed ▼	Available ▼	(+/-) ▼		State Funding Source ▼	Programmed ▼	Available ▼	(+/-) ▼	
FFY 12 / 5307	\$ 3,935,165	\$ 5,001,171	\$ 1,066,006	Available	RTACAP	\$ 243,176	\$ 243,176	\$ -	Available
FFY 12 / 5309	\$ -	\$ -	\$ -	Available	ITCCAP	\$ -	\$ -	\$ -	Available
FFY 12 / 5316	\$ -	\$ 96,117	\$ 96,117	Available	SCA	\$ 942,410	\$ 3,256,600	\$ 2,314,190	Available
FFY 12 / 5317	\$ -	\$ 96,954	\$ 96,954	Available	TDC	\$ -			

# 2013 Cape Cod MPO Transportation Improvement Program

8/22/2011 Endorsed

MassDOT Project ID ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
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## ► Section 1A / Federal Aid Target Projects

### ► STP - Surface Transportation Program

605661	FALMOUTH INTERSECTION IMPROVEMENTS @ TEATICKET HIGHWAY (ROUTE 28)/JONES ROAD/WORCESTER COURT	5	STP	\$ 1,872,000	\$ 1,497,600	\$ 374,400	CONSTRUCTION Total cost is \$1,872,000
605671	FALMOUTH INTERSECTION IMPROVEMENTS AT EAST FALMOUTH HIGHWAY (ROUTE 28) DAVISVILLE ROAD/OLD MEETINGHOUSE ROAD	5	STP	\$ 1,560,000	\$ 1,248,000	\$ 312,000	CONSTRUCTION Total cost is \$1,560,000
STP Subtotal ►				\$ 3,432,000	\$ 2,745,600	\$ 686,400	◀ 80% Federal + 20% Non-Federal

### ► HSIP - Highway Safety Improvement Program

602213	ORLEANS- ROUNDABOUT IMPROVEMENTS AT ROUTES 28 & 6A	5	HSIP	\$ 1,117,428	\$ 1,005,685	\$ 111,743	CONSTRUCTION Total cost is \$1,117,428
HSIP Subtotal ►				\$ 1,117,428	\$ 1,005,685	\$ 111,743	◀ Funding Split Varies by Project Specifications

### ► CMAQ - Congestion Mitigation and Air Quality Improvement Program

	CCRTA - NEW TRANSIT SERVICE DEMONSTRATION BOURNE TO SANDWICH (\$277,160 TOTAL)	5	CMAQ>FTA	\$ 144,123	\$ 144,123	\$ -	\$144,123 TRANSFER TO FTA (\$288,246 Total cost)
	CCRTA - NEW TRANSIT SERVICE DEMONSTRATION BOURNE TO FALMOUTH (\$275,080 TOTAL)	5	CMAQ>FTA	\$ 143,042	\$ 143,042	\$ -	\$143,042 TRANSFER TO FTA (\$286,083 Total cost)
CMAQ Subtotal ►				\$ 287,165	\$ 287,165	\$ -	◀ 80% Federal + 20% Non-Federal

## ► Section 1A / Fiscal Constraint Analysis

Total Federal Aid Target Funds Programmed ►	\$ 4,836,593	\$ 5,896,316	◀ Total	\$ 1,059,723	Target Funds Available
Total STP Programmed ►	\$ 3,432,000	\$ 4,520,774	◀ Max. STP	\$ 1,088,774	STP Available
Total HSIP Programmed ►	\$ 1,117,428	\$ 458,514	◀ Min. HSIP	\$ (658,914)	HSIP Minimum Met
Total CMAQ Programmed ►	\$ 287,165	\$ 917,028	◀ Min. CMAQ	\$ 629,863	CMAQ Minimum Not Met
				\$ 1,059,723	REMAINING AVAILABLE

## ► Section 1B / Federal Aid Bridge Projects

No Projects Programmed			\$ -	\$ -	\$ -	
BR Subtotal ►				\$ -	\$ -	◀ 80% Federal + 20% Non-Federal

## ► Section 1C / Federal Aid Non-Target Projects

### ► Earmarks

604488	DENNIS-YARMOUTH- CAPE COD RAIL TRAIL EXTENSION, FROM ROUTE 134 TO WILLOW STREET, INCLUDES 3 BRIDGES AC YR 1	5	TI (2005) TI173	\$ 2,846,080	\$ 2,276,864	\$ 569,216	CONSTRUCTION AC YR 1 Total \$8,102,866 + 4% annual inflation= \$8,764,060: TI 173 MA 209: \$2,846,080 in 2013; CMAQ \$5,284,200 in 2014 and \$633,780 in 2015
Earmarks Subtotal ►				\$ 2,846,080	\$ 2,276,864	\$ 569,216	◀ Funding Split Varies by Earmark

### ► Other

No Projects Programmed			\$ -	\$ -	\$ -	
Other Subtotal ►				\$ -	\$ -	◀ Funding Split Varies by Funding Source

## ► Section 1D / Federal Aid Major & State Category Projects

### ► IM - Interstate Maintenance

IM Subtotal ► ◀ 90% Federal + 10% Non-Federal

### ► NHS - National Highway System

606286	Bourne-Sandwich --Resurfacing of Route 6 (Mid-Cape Highway)		NHS	\$ 6,661,200	5,328,960	1,332,240	
NHS Subtotal ►				\$ 6,661,200	\$ 5,328,960	\$ 1,332,240	◀ 80% Federal + 20% Non-Federal

### ► Other

No Projects Programmed			\$ -	\$ -	\$ -	
Other Subtotal ►				\$ -	\$ -	◀ Funding Split Varies by Funding Source

## ► Section 2A / Non-Federal Projects

No Projects Programmed			\$ -		\$ -	
Non-Federal Projects Subtotal ►				\$ -	\$ -	◀ 100% Non-Federal

## ► Section 2B / Non-Federal Bridge Projects

No Projects Programmed			\$ -		\$ -	
Non-Federal Bridge Projects Subtotal ►				\$ -	\$ -	◀ 100% Non-Federal

TIP Section 1: ▼ TIP Section 2: ▼ Total of All Projects ▼

# 2013 Cape Cod MPO TIP Summary

# 2013 Cape Cod MPO Transportation Improvement Program

8/22/2011 Endorsed

MassDOT Project ID ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼	
				Total ▶	\$ 14,343,873	\$ -	\$ 14,343,873	◀ Total Spending in Region
				Federal Funds ▶	\$ 11,644,274	\$ 11,644,274		◀ Total Federal Spending in Region
				Non-Federal Funds ▶	\$ 2,699,599	\$ -	\$ 2,699,599	◀ Total Non-Federal Spending in Region

Project estimated total costs are BY YEAR OF EXPENDITURE (YOE), for years 2013-2015 an annual inflation rate of 4% is assumed.

701 CMR 7.00 Use of Road Flaggers and Police Details on Public Works Projects / 701 CMR 7.00 (the Regulation) was promulgated and became law on October 3, 2008. Under this Regulation, the CMR is applicable to any Public works Project that is performed within the limits of, or that impact traffic on, any Public Road. The Municipal Limitation referenced in this Regulation is applicable only to projects where the Municipality is the Awarding Authority. For all projects contained in the TIP, the Commonwealth is the Awarding Authority. Therefore, all projects must be considered and implemented in accordance with 701 CMR 7.00, and the Road Flagger and Police Detail Guidelines. By placing a project on the TIP, the Municipality acknowledges that 701 CMR 7.00 is applicable to its project and design and construction will be fully compliant with this Regulation. This information, and additional information relative to guidance and implementation of the Regulation can be found at the following link on the MassDOT Highway Division website: <http://www.massdot.state.ma.us/Highway/flaggers/main.aspx>



# 2013 Cape Cod MPO Transportation Improvement Program

8/22/2011 Endorsed

FTA Program ▼	Regional Transit Authority ▼	Project Description ▼	Carryover or Earmark Details ▼	Federal Funds ▼	State Match Sources					RTA Funds ▼	Total Cost ▼
					RTACAP ▼	MAP ▼	ITCCAP ▼	TDC ▼	SCA ▼		
5307 ▶	CCRTA	Operating Assistance, Urban Area	Yes, 2012	\$ 269,060	\$ -	\$ -	\$ -	\$ -	\$ 269,060	\$ -	\$ 538,120
	CCRTA	Preventative Maintenance	Yes, 2012	\$ 1,961,361	\$ -	\$ -	\$ -	\$ -	\$ 490,340	\$ -	\$ 2,451,701
	CCRTA	ADA Paratransit	Yes, 2012	\$ 511,006	\$ -	\$ -	\$ -	\$ -	\$ 127,752	\$ -	\$ 638,758
	CCRTA	Mobility Management	Yes, 2012	\$ 1,095,574	\$ -	\$ -	\$ -	\$ -	\$ 273,894	\$ -	\$ 1,369,468
	CCRTA	Transit Enhancements	Yes, 2012	\$ 46,745	\$ 11,686	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 58,431
	CCRTA	Capital Project Computer Hardware/ software, shop equipment	No	\$ 1,057,604	\$ 264,401	\$ -	\$ -	\$ 36,009	\$ -	\$ -	\$ 1,322,005
5307 Subtotal ▶				\$ 4,941,350	\$ 276,087	\$ -	\$ -	\$ 36,009	\$ 1,161,046	\$ -	\$ 6,378,483
5309 ▶		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	5309 Subtotal ▶			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5310 ▶	CCRTA	No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	5310 Subtotal ▶			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5311 ▶	CCRTA	Operating Assistance, Non-urban Area	Yes, 2012	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	5311 Subtotal ▶			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5316 ▶		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	5316 Subtotal ▶			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5317 ▶		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	5317 Subtotal ▶			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SoGR ▶		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TIGER ▶		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grants Subtotal ▶			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other ▶	CCRTA		N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	CCRTA		N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Subtotal ▶				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total▶				\$ 4,941,350	\$ 276,087	\$ -	\$ -	\$ 36,009	\$ 1,161,046	\$ -	\$ 6,378,483

## Fiscal Constraint Analysis

Federal Funding Source ▼	Programmed ▼	Available ▼	(+/-) ▼		State Funding Source ▼	Programmed ▼	Available ▼	(+/-) ▼	
FFY 13 / 5307	\$ 4,941,350	\$ 5,151,206	\$ 209,856	Available	RTACAP	\$ 276,087	\$ 276,087	\$ -	Available
FFY 13 / 5309	\$ -	\$ -	\$ -	Available	ITCCAP	\$ -	\$ -	\$ -	Available
FFY 13 / 5316	\$ -	\$ 99,001	\$ 99,001	Available	SCA	\$ 1,161,046	\$ 3,354,299	\$ 2,193,253	Available
FFY 13 / 5317	\$ -	\$ 99,863	\$ 99,863	Available	TDC	\$ 36,009			

# 2014 Cape Cod MPO Transportation Improvement Program

8/22/2011 Endorsed

MassDOT Project ID ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
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## ► Section 1A / Federal Aid Target Projects

### ► STP - Surface Transportation Program

No Projects Programmed			\$ -	\$ -	\$ -	
STP Subtotal ►			\$ -	\$ -	\$ -	◄ 80% Federal + 20% Non-Federal

### ► HSIP - Highway Safety Improvement Program

No Projects Programmed			\$ -	\$ -	\$ -	
HSIP Subtotal ►			\$ -	\$ -	\$ -	◄ Funding Split Varies by Project Specifications

### ► CMAQ - Congestion Mitigation and Air Quality Improvement Program

604488	DENNIS-YARMOUTH- CAPE COD RAIL TRAIL EXTENSION, FROM ROUTE 134 TO WILLOW STREET, INCLUDES 3 BRIDGES AC YR 2	5	CMAQ-AC	\$ 5,284,200	\$ 4,227,360	\$ 1,056,840	CONSTRUCTION AC YR 2 Total \$8,102,866 + 4% annual inflation= \$8,764,060: T1 173 MA 209: \$2,846,080 in 2013; CMAQ \$5,284,200 in 2014 and \$633,780 in 2015
CMAQ Subtotal ►				\$ 5,284,200	\$ 4,227,360	\$ 1,056,840	◄ 80% Federal + 20% Non-Federal

## ► Section 1A / Fiscal Constraint Analysis

Total Federal Aid Target Funds Programmed ►	\$ 5,284,200	\$ 5,742,714	◄ Total	\$ 458,514	Target Funds Available
Total STP Programmed ►	\$ -	\$ 4,367,172	◄ Max. STP	\$ 4,367,172	STP Available
Total HSIP Programmed ►	\$ -	\$ 458,514	◄ Min. HSIP	\$ 458,514	HSIP Minimum Not Met
Total CMAQ Programmed ►	\$ 5,284,200	\$ 917,028	◄ Min. CMAQ	\$ (4,367,172)	CMAQ Minimum Met
				\$ 458,514	REMAINING AVAILABLE

## ► Section 1B / Federal Aid Bridge Projects

No Projects Programmed			\$ -	\$ -	\$ -	
BR Subtotal ►			\$ -	\$ -	\$ -	◄ 80% Federal + 20% Non-Federal

## ► Section 1C / Federal Aid Non-Target Projects

### ► Earmarks

No Projects Programmed			\$ -	\$ -	\$ -	
Earmarks Subtotal ►			\$ -	\$ -	\$ -	◄ Funding Split Varies by Earmark

### ► Other

No Projects Programmed			\$ -	\$ -	\$ -	
Other Subtotal ►			\$ -	\$ -	\$ -	◄ Funding Split Varies by Funding Source

## ► Section 1D / Federal Aid Major & State Category Projects

### ► IM - Interstate Maintenance

IM Subtotal ►						◄ 90% Federal + 10% Non-Federal
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### ► NHS - National Highway System

606178	BOURNE-RESURFACING & SAFETY UPGRADING ON ROUTE 28 (GENERAL MACARTHUR BOULEVARD)	5	NHS	\$ 6,071,501	4,857,201	1,214,300	CONSTRUCTION Total cost \$6,071,501
NHS Subtotal ►				\$ 6,071,501	\$ 4,857,201	\$ 1,214,300	◄ 80% Federal + 20% Non-Federal

### ► Other

No Projects Programmed			\$ -	\$ -	\$ -	
Other Subtotal ►			\$ -	\$ -	\$ -	◄ Funding Split Varies by Funding Source

## ► Section 2A / Non-Federal Projects

No Projects Programmed			\$ -		\$ -	
Non-Federal Projects Subtotal ►			\$ -		\$ -	◄ 100% Non-Federal

## ► Section 2B / Non-Federal Bridge Projects

No Projects Programmed			\$ -		\$ -	
Non-Federal Bridge Projects Subtotal ►			\$ -		\$ -	◄ 100% Non-Federal

# 2014 Cape Cod MPO TIP Summary

	TIP Section 1: ▼	TIP Section 2: ▼	Total of All Projects ▼	
Total ►	\$ 11,355,701	\$ -	\$ 11,355,701	◄ Total Spending in Region
Federal Funds ►	\$ 9,084,561	\$ -	\$ 9,084,561	◄ Total Federal Spending in Region
Non-Federal Funds ►	\$ 2,271,140	\$ -	\$ 2,271,140	◄ Total Non-Federal Spending in Region

Project estimated total costs are BY YEAR OF EXPENDITURE (YOE), for years 2013-2015 an annual inflation rate of 4% is assumed.

701 CMR 7.00 Use of Road Flaggers and Police Details on Public Works Projects / 701 CMR 7.00 (the Regulation) was promulgated and became law on October 3, 2008. Under this Regulation, the CMR is applicable to any Public works Project that is performed within the limits of, or that impact traffic on, any Public Road. The Municipal Limitation referenced in this Regulation is applicable only to projects where the Municipality is the Awarding Authority. For all projects contained in the TIP, the Commonwealth is the Awarding Authority. Therefore, all projects must be considered and implemented in accordance with 701 CMR 7.00, and the Road Flagger and Police Detail Guidelines. By placing a project on the TIP, the Municipality acknowledges that 701 CMR 7.00 is applicable to its project and design and construction will be fully compliant with this Regulation. This information, and additional information relative to guidance and implementation of the Regulation can be found at the following link on the MassDOT Highway Division website: <http://www.massdot.state.ma.us/Highway/flaggers/main.aspx>

# 2014 Cape Cod MPO Transportation Improvement Program

8/22/2011 Endorsed

FTA Program ▼	Regional Transit Authority ▼	Project Description ▼	Carryover or Earmark Details ▼	Federal Funds ▼	State Match Sources				RTA Funds ▼	Total Cost ▼
					RTACAP ▼	MAP ▼	TDC ▼	SCA ▼		
5307 ▶	CCRTA	Operating Assistance, Urban Area	Yes, 2013	\$ 269,060	\$ -	\$ -	\$ -	\$ 269,060	\$ -	\$ 538,120
	CCRTA	Preventative Maintenance	Yes, 2013	\$ 2,020,202	\$ -	\$ -	\$ -	\$ 505,051	\$ -	\$ 2,525,253
	CCRTA	ADA Paratransit	Yes, 2013	\$ 526,337	\$ -	\$ -	\$ -	\$ 131,584	\$ -	\$ 657,921
	CCRTA	Mobility Management	Yes 2013	\$ 526,337	\$ -	\$ -	\$ -	\$ 131,584	\$ -	\$ 657,921
	CCRTA	Transit Enhancements	Yes, 2013	\$ 48,147	\$ 12,037	\$ -	\$ -	\$ -	\$ -	\$ 60,184
	CCRTA	Capital: computer hardware/ software/shop equipment	No	\$ 1,451,132	\$ 362,783	\$ -	\$ -	\$ -	\$ -	\$ 1,813,915
	5307 Subtotal ▶			\$ 4,841,215	\$ 374,820	\$ -	\$ -	\$ 1,037,279	\$ -	\$ 6,253,314
5309 ▶		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	5309 Subtotal ▶			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
										\$ -
5310 ▶		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	5310 Subtotal ▶			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
										\$ -
5311 ▶	CCRTA	Operating Assistance, Non-urban Area	Yes, 2013	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	5311 Subtotal ▶			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
										\$ -
5316 ▶		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	5316 Subtotal ▶			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
										\$ -
5317 ▶		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	5317 Subtotal ▶			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
										\$ -
SoGR ▶		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Livability ▶		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TIGER ▶		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants Subtotal ▶				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
										\$ -
Other ▶	CCRTA		N/A	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -
	CCRTA		N/A	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -
Operating Subtotal ▶				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
										\$ -
Total ▶				\$ 4,841,215	\$ 374,820	\$ -	\$ -	\$ 1,037,279	\$ -	\$ 6,253,314

## Fiscal Constraint Analysis

Federal Funding Source ▼	Programmed ▼	Available ▼	(+/-) ▼		State Funding Source ▼	Programmed ▼	Available ▼	(+/-) ▼	
FFY 14 / 5307	\$ 4,841,215	\$ 5,305,742	\$ 464,527	Available	RTACAP	\$ 374,820	\$ 374,820	\$ -	Available
FFY 14 / 5309	\$ -	\$ -	\$ -	Available	SCA	\$ 1,037,279	\$ 3,454,928	\$ 2,417,649	Available
FFY 14 / 5316	\$ -	\$ 101,971	\$ 101,971	Available	TDC	\$ -			
FFY 14 / 5317	\$ -	\$ 102,858	\$ 102,858	Available					

# 2015 Cape Cod MPO Transportation Improvement Program

8/22/2011 Endorsed

MassDOT Project ID ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
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## ► Section 1A / Federal Aid Target Projects

### ► STP - Surface Transportation Program

606461	ORLEANS- INTERSECTION IMPROVEMENTS @ ROUTE 6A & MAIN STREET & ROUTE 28 & MAIN STREET	5	STP	\$ 2,294,723	\$ 1,835,778	\$ 458,945	CONSTRUCTION Total cost \$2,294,723
STP Subtotal ►				\$ 2,294,723	\$ 1,835,778	\$ 458,945	◄ 80% Federal + 20% Non-Federal

### ► HSIP - Highway Safety Improvement Program

606394	BARNSTABLE- INTERSECTION IMPROVEMENTS @ ROUTE 28 (FALMOUTH ROAD) & BEARSE'S WAY	5	HSIP	\$ 2,834,657	\$ 2,551,191	\$ 283,466	CONSTRUCTION Total cost \$2,834,657
HSIP Subtotal ►				\$ -	\$ -	\$ -	◄ Funding Split Varies by Project Specifications

### ► CMAQ - Congestion Mitigation and Air Quality Improvement Program

604488	DENNIS-YARMOUTH- CAPE COD RAIL TRAIL EXTENSION, FROM ROUTE 134 TO WILLOW STREET, INCLUDES 3 BRIDGES AC YR 3	5	CMAQ-AC	\$ 633,780	\$ 507,024	\$ 126,756	CONSTRUCTION AC YR 3 Total \$8,102,866 + 4% annual inflation= \$8,764,060: TI 173 MA 209: \$2,846,080 in 2013; CMAQ \$5,284,200 in 2014 and \$633,780 in 2015
CMAQ Subtotal ►				\$ 633,780	\$ 507,024	\$ 126,756	◄ 80% Federal + 20% Non-Federal

## ► Section 1A / Fiscal Constraint Analysis

Total Federal Aid Target Funds Programmed ►	\$ 5,763,160	\$ 6,252,238	◄Total	\$ 489,078	Target Funds Available
Total STP Programmed ►	\$ 2,294,723	\$ 4,876,696	◄ Max. STP	\$ 2,581,973	STP Available
Total HSIP Programmed ►	\$ 2,834,657	\$ 458,514	◄ Min. HSIP	\$ (2,376,143)	HSIP Minimum Met
Total CMAQ Programmed ►	\$ 633,780	\$ 917,028	◄ Min. CMAQ	\$ 283,248	CMAQ Minimum Not Met
				\$ 489,078	REMAINING AVAILABLE

## ► Section 1B / Federal Aid Bridge Projects

No Projects Programmed	\$ -	\$ -	\$ -	
BR Subtotal ►	\$ -	\$ -	\$ -	◄ 80% Federal + 20% Non-Federal

## ► Section 1C / Federal Aid Non-Target Projects

### ► Earmarks

No Projects Programmed	\$ -	\$ -	\$ -	
Earmarks Subtotal ►	\$ -	\$ -	\$ -	◄ Funding Split Varies by Earmark

### ► Other

No Projects Programmed	\$ -	\$ -	\$ -	
Other Subtotal ►	\$ -	\$ -	\$ -	◄ Funding Split Varies by Funding Source

## ► Section 1D / Federal Aid Major & State Category Projects

### ► IM - Interstate Maintenance

IM Subtotal ►				◄ 90% Federal + 10% Non-Federal
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### ► NHS - National Highway System

No Projects Programmed	\$ -	\$ -	\$ -	
NHS Subtotal ►	\$ -	\$ -	\$ -	◄ 80% Federal + 20% Non-Federal

### ► Other

No Projects Programmed	\$ -	\$ -	\$ -	
Other Subtotal ►	\$ -	\$ -	\$ -	◄ Funding Split Varies by Funding Source

## ► Section 2A / Non-Federal Projects

No Projects Programmed	\$ -		\$ -	
Non-Federal Projects Subtotal ►	\$ -		\$ -	◄ 100% Non-Federal

## ► Section 2B / Non-Federal Bridge Projects

No Projects Programmed	\$ -		\$ -	
Non-Federal Bridge Projects Subtotal ►	\$ -		\$ -	◄ 100% Non-Federal

# 2015 Cape Cod MPO TIP Summary

TIP Section 1: ▼

TIP Section 2: ▼

Total of All Projects ▼

Total ►	\$ 5,763,160	\$ -	\$ 5,763,160	◄ Total Spending in Region
Federal Funds ►	\$ 4,893,994		\$ 4,893,994	◄ Total Federal Spending in Region
Non-Federal Funds ►	\$ 869,166	\$ -	\$ 869,166	◄ Total Non-Federal Spending in Region

Project estimated total costs are BY YEAR OF EXPENDITURE (YOE), for years 2013-2015 an annual inflation rate of 4% is assumed.

701 CMR 7.00 Use of Road Flaggers and Police Details on Public Works Projects / 701 CMR 7.00 (the Regulation) was promulgated and became law on October 3, 2008. Under this Regulation, the CMR is applicable to any Public works Project that is performed within the limits of, or that impact traffic on, any Public Road. The Municipal Limitation referenced in this Regulation is applicable only to projects where the Municipality is the Awarding Authority. For all projects contained in the TIP, the Commonwealth is the Awarding Authority. Therefore, all projects must be considered and implemented in accordance with 701 CMR 7.00, and the Road Flagger and Police Detail Guidelines. By placing a project on the TIP, the Municipality acknowledges that 701 CMR 7.00 is applicable to its project and design and construction will be fully compliant with this Regulation. This information, and additional information relative to guidance and implementation of the Regulation can be found at the following link on the MassDOT Highway Division website: <http://www.massdot.state.ma.us/Highway/flaggers/main.aspx>

# 2015 Cape Cod MPO Transportation Improvement Program

8/22/2011 Endorsed

FTA Program ▼	Regional Transit Authority ▼	Project Description ▼	Carryover or Earmark Details ▼	Federal Funds ▼	State Match Sources				RTA Funds ▼	Total Cost ▼	
					RTACAP ▼	MAP ▼	TDC ▼	SCA ▼			
5307 ►	CCRTA	Operating Assistance, Urban Area	Yes, 2014	\$ 269,060	\$ -	\$ -	\$ -	\$ 269,060	\$ -	\$ 538,120	
	CCRTA	Preventative Maintenance	Yes, 2014	\$ 2,080,808	\$ -	\$ -	\$ -	\$ 520,202	\$ -	\$ 2,601,010	
	CCRTA	ADA Paratransit	Yes, 2014	\$ 542,017	\$ -	\$ -	\$ -	\$ 135,504	\$ -	\$ 677,521	
	CCRTA	Mobility Management	Yes 2014	\$ 1,162,295	\$ -	\$ -	\$ -	\$ 290,574	\$ -	\$ 1,452,869	
	CCRTA	Transit Enhancements	Yes, 2014	\$ 49,592	\$ 12,398	\$ -	\$ -	\$ -	\$ -	\$ 61,990	
		Capital: computer hardware/ software/shop equipment	No	\$ 1,361,143	\$ 389,847	\$ -	\$ -	\$ -	\$ -	\$ 1,750,990	
	5307 Subtotal ►			\$ 5,464,915	\$ 402,245	\$ -	\$ -	\$ 1,215,340	\$ -	\$ 7,082,500	
											\$ -
5310 ►		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	5310 Subtotal ►			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
											\$ -
5311 ►	CCRTA	Operating Assistance, Non-urban Area	Yes, 2014	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	5311 Subtotal ►			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
											\$ -
5316 ►		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	5316 Subtotal ►			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
											\$ -
5317 ►		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	5317 Subtotal ►			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
											\$ -
SoGR ►		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Livability ►		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
TIGER ►		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Grants Subtotal ►				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
											\$ -
Other ►											
	CCRTA		N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	CCRTA		N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
											\$ -
Total ►				\$ 6,006,932	\$ 402,245	\$ -	\$ -	\$ 1,215,340	\$ -	\$ 7,624,517	

## Fiscal Constraint Analysis

Federal Funding Source ▼	Programmed ▼	Available ▼	(+/-) ▼		State Funding Source ▼	Programmed ▼	Available ▼	(+/-) ▼	
FFY 15 / 5307	\$ 5,464,915	\$ 5,464,915	\$ -	Available	RTACAP	\$ 402,245	\$ 402,245	\$ -	Available
FFY 15 / 5309	\$ -	\$ -	\$ -	Available	SCA	\$ 1,215,340	\$ 3,558,576	\$ 2,343,236	Available
FFY 15 / 5316	\$ -	\$ 105,030	\$ 105,030	Available	TDC	\$ -			
FFY 15 / 5317	\$ -	\$ 105,944	\$ 105,944	Available					

**PROJECTS IN NEED OF FUNDING (For Information Only)**

			Estimated Cost
BARNSTABLE	URBAN AREA	Airport Rotary improvements, including potential grade separation of Route 28 with tunnel / overpass direct connection and improvements to remaining circle operations	\$ 20,000,000
BARNSTABLE	URBAN AREA	Improved access for Hyannis Transportation Center	\$ 5,000,000
BARNSTABLE BOURNE	URBAN AREA	Real Time Traffic Information System -- Design Build of year-round 24/7 Web based traffic information system based on cameras, sensors, with 511 to reduce road rage, congestion, and improve mobility and incident management through improved information	\$ 3,000,000
BARNSTABLE YARMOUTH	URBAN AREA	Yarmouth Road/Willow Street widening (Includes additional 2 lanes of travel with median divider, sidewalk and multiuse path, for approximately 3 miles from State Route 28 to the recently-improved section in the Town of Yarmouth; R-O-W acquisition, demolition, roadway construction)	\$ 20,000,000
BARNSTABLE YARMOUTH	URBAN AREA	Regional bicycle/pedestrian access in the Route 28/Yarmouth Road and Willow Street area between Hyannis Transportation Center and planned extension of the existing Cape Cod Rail Trail in Dennis-Yarmouth; Design build grade crossings of Willow Street and Railroad	\$ 13,000,000
BARNSTABLE	URBAN AREA	Barnstable Route 6A at Route 132 roundabout	\$ 1,200,000
BOURNE	URBAN AREA	Main Street improvements in Buzzards Bay -- business and government center; regional marine research education	\$ 1,200,000
BOURNE	URBAN AREA	Belmont Circle Intersection Improvement Project	\$ 5,110,000
BOURNE	URBAN AREA	Bourne Rotary Improvement Project	\$ 50,000,000
BOURNE	URBAN AREA	Route 6 / Route 28 Bypass --Memorial Circle to Belmont Circle (1.1 miles)	\$ 2,000,000
BOURNE	URBAN AREA	Memorial Circle Intersection Improvement Project	\$ 1,125,000
BOURNE	URBAN AREA	Route 6 Scenic Highway Median Barrier	\$ 12,000,000
BREWSTER	URBAN AREA	Full depth reclamation Harwich Road / Rte. 124	\$ 1,500,000
BREWSTER	URBAN AREA	Full depth reclamation Long Pond Road / Rte. 137	\$ 1,900,000
BREWSTER	URBAN AREA	Full depth reclamation Stony Brook Road, Rte. 6A - Satucket Rd	\$ 600,000
CAPE RAIL	URBAN AREA	Buzzards Bay to Middleborough capital improvements for rail upgrade	\$ 6,000,000
Cape Cod Regional Transit Authority	URBAN AREA	Intercity Seasonal Connector-demonstration	\$ 4,000,000
CHATHAM	URBAN AREA	Route 28, George Ryder Road to Barn Hill Road	\$ 2,000,000

**PROJECTS IN NEED OF FUNDING (For Information Only)**

			Estimated Cost
CHATHAM	URBAN AREA	Crowell Road / Main Street Intersection Improvement Project	\$ 1,200,000
DENNIS	URBAN AREA	Route 28 sidewalks	\$ 2,000,000
DENNIS to ORLEANS	URBAN AREA	Route 6 National Highway System NHS, section with failing pavement	\$ 15,000,000
EASTHAM	URBAN AREA	Route 6 and Governor Prence Road Improvements - Bicycle / Pedestrian	\$ 1,000,000
HARWICH	URBAN AREA	Route 124 section, 1.4 miles from Headwaters Drive northerly to Brewster TL	\$ 2,500,000
HARWICH	URBAN AREA	Route 39 section, 1.6 miles from Bay Road to Brewster TL	\$ 2,000,000
HARWICH	URBAN AREA	Route 39 section, 2.0 miles from Oak Street to Queen Anne Road	\$ 2,500,000
ORLEANS	URBAN AREA	Rock Harbor Road drainage improvements and roadway reconstruction	\$ 600,000
ORLEANS	URBAN AREA	Main Street Sidewalk extension and reconstruction of Meeting House Road intersection	\$ 300,000
PROVINCETOWN		Commercial Street Reconstruction	\$ 3,500,000
SANDWICH	URBAN AREA	Route 130 Exit 2 Phase 2, WB exit ramp and Service Road intersection improvements	\$ 3,000,000
SANDWICH	URBAN AREA	Quaker Meetinghouse Road Pedestrian Accessibility 4 miles of sidewalk	\$ 1,055,000
WELLFLEET		Chequessett BR Rehabilitation	\$ 12,000,000
YARMOUTH	URBAN AREA	Yarmouth, Porous Pavement Projects for approximately 3,000 linear feet of roadway	\$ 750,000
YARMOUTH	URBAN AREA	Yarmouth, Sidewalk improvements: North Main Street sidewalk of approximately 1 mile connecting existing sidewalk with major recreation area	\$ 650,000
YARMOUTH	URBAN AREA	Yarmouth, Sidewalk improvements: South Shore Drive sidewalk- 1 mile from Sea View Ave. to South St	\$ 650,000
YARMOUTH	URBAN AREA	Yarmouth, Sidewalk improvements: Winslow Gray Rd. sidewalk 0.75 miles long from Buck Island Rd. to Long Pond Dr.	\$ 400,000
<b>TOTAL</b>			<b>\$ 198,740,000</b>

# Cape Projects Advertised and Status

Cape Cod Transportation Improvement Program (TIP)

PROJIS or State Identification (SID) number	MUNICIPALITY of project location	DESCRIPTION	Advertising DATE	AWARD or BID OPENING DATE	Low bid, award amount, or TIP Programmed Amount	FUND in TIP	Completed?	Project Proponent	Estimated cost or award amount	FUND advertised	YEAR advertised (FFY)
56206	BOURNE	Bridge, Perry St, replacement/related BR# B-17-010	5/22/93	8/4/93	\$857,648	BR	11/30/94	?town	\$857,648	BR	1993
600326	DEN to ORL	Route 6, Install surface mount delineators	11/13/93	3/24/94	\$37,717	NFA	YES	state	\$37,717	NFA	1993
	Eastham, Wellfleet	Cape Cod Rail Trail (extension)	3/6/93	6/9/93	\$1,239,333	CMQ	9/30/94	DEM	\$1,239,333	CMQA	1993
53355	FALMOUTH	Bridge, Menauhant Rd over Green Pond, BR#F-03-002	12/31/93	11/9/94	\$2,274,690	BR	12/1/96	?town	\$2,274,690	BR	1993
600485	HARWICH	Bridge #H-10-014, Rte 137 Br betterment over Rte 6	12/18/93	5/25/94	\$564,384	NFA BR	7/15/95	state	\$564,384	NFA	1993
600111	ORLEANS	Roof Replacment Orleans Depot, Bay Ridge La & 6, 6A	6/26/93	11/24/93	\$68,500	NFA	done?	state	\$68,500	NFA	1993
17400	SANDWICH	Bridge#S-04-02/Conrail, Old County Rd & Related	12/4/93	7/6/94	\$282,240	BR	7/29/96	town	\$282,240	BR	1993
<b>1993 ADVERTISING PROGRAM</b>									<b>TOTAL</b>	<b>\$5,324,512</b>	
600897	BARNSTABLE	Route 132 @ Bearses Way Intersection	12/10/94	3/1/95	\$357,790	NFA	6/14/96	town	\$357,790	NFA	1994
600694	Barns, Bour, Sand	Route 6 Sign Update & Replacement	12/17/94	4/26/95	\$590,021	NFA	11/30/95	state	\$590,021	NFA	1994
600492	BOURNE	Rte 6@Bournedale & Nightingale Rds, sig & safety	2/12/94	7/27/94	\$662,568	NFA	7/31/98	state	\$662,568	NFA	1994
600728	Dennis, Yarmouth	Bridge Maint. Rte 6, Y-1-7,15,16, D-7-11	10/8/94	1/11/95	\$1,392,855	NFA	9/16/96	state	\$1,392,855	NFA	1994
600407	MASHPEE	Rte 151 Resurface & related	9/3/94	11/16/94	\$145,680	NFA	10/1/95	?town	\$145,680	NFA	1994
<b>1994 ADVERTISING PROGRAM</b>									<b>TOTAL</b>	<b>\$3,148,914</b>	
	BARNSTABLE	Route 6 rest area renovations	9/16/95	1/17/96	\$168,736	NFA	8/8/96	state	\$168,736	NFA	1995
601219	BARNSTABLE	SSA ferry terminal & marine facilities	4/22/95	8/16/95	\$4,568,000	FBD	7/9/97	SSA	\$4,568,000	FBD	1995
600564	HARWICH	Rte 124 @ Rte 6, Park & Ride Lot Construction	4/1/95	8/30/95	\$182,900	NFA	8/19/96	state	\$182,900	NFA	1995
601039	MASHPEE	Route 130 section, resurfacing & related	2/4/95	5/2/95	\$160,369	NFA	7/20/95	town	\$160,369	NFA	1995
<b>1995 ADVERTISING PROGRAM</b>									<b>TOTAL</b>	<b>\$5,080,005</b>	
601396	BARNSTABLE	Route 28 Recons & Signals on a section	9/21/96	5/12/98	\$1,249,101	STP	11/30/99	town	\$1,278,140	STP	1996
601194	Bourne / Plymouth	Route 25 EB to rest area, water service tie in	11/25/95	complete	\$361,495	NFA	7/13/96	state	\$545,719	NFA	1996
601423	BOURNE	Buzzards Bay Train Station Improvements	9/21/96	1/7/98	\$149,747	STP-E	12/31/99	town	\$155,677	STP-E	1996
601418	BOURNE	Monument Beach Train Station Improvements	9/21/96	2/11/98	\$28,698	STP-E	completed 1999	town	\$32,163	STP-E	1996
601634	EASTHAM	Route 6 / Rogers Lane, drainage	12/2/95	complete	readv 6/15/96	NFA	11/6/96	state	\$30,950	NFA	1996
601257	FALMOUTH	Route 151 @ Sandwich Rd	10/14/95	complete	\$408,260	STP	7/5/97	town	\$499,676	STP	1996
601690	FALMOUTH	Construct Shining Sea Bikeway, Phase II	6/15/96	complete	\$299,974	NFA	7/12/97	town	\$273,399	NFA	1996
600402	FALMOUTH	Route 151 Section	9/28/96	10/7/97	\$1,524,864	STP	5/28/99	town	\$1,622,950	STP	1996
601563	TRURO	Cons. Two Chemical Storage Sheds	6/1/96	10/8/96	\$200,000	NFA	completed 1997	state	\$199,850	NFA	1996
601084	YARMOUTH	Route 6 Bridges #'s: Y-1-5, 5a, 6, 12, 13, 14	10/21/95	2/21/96	\$986,000	NFA	1/14/98	state	\$986,332	NFA	1996
601859	YARMOUTH	Recons railroad grade crossing Willow St	9/21/96	11/5/96	\$375,222	NFA	7/30/97	state	\$269,298	NFA	1996
<b>1996 ADVERTISING PROGRAM</b>									<b>TOTAL</b>	<b>\$5,894,154</b>	
601541	BARN-ORLEANS	Route 6 safety improvements, signs	11/23/96	3/11/97		NFA	complete 1997	state	\$659,265	NFA	1997
105701	BARNSTABLE	Route 28 section	12/28/96	4/1/97		NFA	11/30/98	state	\$4,168,495	NFA	1997
600969	EASTHAM	Bridge, Bridge Rd over Boat Meadow River #E-04-001	2/22/97	6/24/97		NFA	completed 1999	town	\$565,363	NFA	1997
601095	FALMOUTH	Bridge, Quaker Rd over Herring Brook #F-03-011	1/11/97	5/28/97	\$1,198,203	BR	complete may00	town	\$1,256,079	BR	1997
600517	FALMOUTH	Pedestrian signal Rte 28 @ Falmouth Mall	2/22/97	5/6/97	\$54,738	NFA	11/1/97	town	\$51,920	NFA	1997
601465	HARWICH	Cons of Bike Path CCRT extension	1/18/97	8/26/97	\$698,302	NFA	8/22/98	town	\$674,451	NFA	1997
601883	MASHPEE	Great Neck Rd South section	2/1/97	4/29/97	\$667,492	NFA	complete	town	\$750,910	NFA	1997
601882	MASHPEE	Route 151 section	2/15/97	11/4/97?		NFA	complete	town	\$344,993	NFA	1997
601706	MASHPEE	Route151 @ Old Barns Rd (signal)	9/6/97	11/18/97	\$279,706	NFA	complete 1999	town	\$315,539	NFA	1997
601849	SANDWICH	Route 6 Rest Area Site Improvements WB	2/22/97	5/6/97 bids opened, rejected			readvertised	state		NFA	1997
601849	SANDWICH	Route 6 Rest Area Site Improvements WB	6/14/97	9/97 contractor withdrew			readvertised 98	state		NFA	1997
117808	SANDWICH	Route 6A, Tupper Rd to Chipman Rd	2/22/97	5/6/98	\$1,812,077	NFA	11/30/00	state	\$2,212,787	NFA	1997
601582	BARNSTABLE	Park & Ride lot expansion, Rte 6 at Rte 132	6/21/97	8/26/97	\$799,528	CMQ	8/29/98	state	\$931,620	CMQA	1997
600795	YARMOUTH	Route 28@ Forest Rd	6/14/97	5/6/98	\$539,380	NFA	??? deobligated	state		NFA	1997
<b>1997 ADVERTISING PROGRAM</b>									<b>TOTAL</b>	<b>\$11,931,422</b>	
601801	BARNSTABLE	Barns, Route 132 Signal Coordination	10/11/97	5/6/98	\$249,305	NFA	9/26/98	town	\$290,000	NFA	1998
600966	BARNSTABLE	Bridge, Craigville Beach Rd over Centerville River #B-01-002	12/27/97	4/14/98	\$834,399	BR	6/1/02	town	\$906,759	BR	1998
600967	Barns, Mashpee	Bridge, School St over Santuit River	11/29/97	4/28/98	See 2000 Adv	BR	re-advertised	town	see below	BR	1998
601522	DENNIS	Setucket Rd (Old Bass River Rd to Rte 134)	11/29/97	1/28/98	\$657,694	STP	complete	town	\$706,960	STP	1998
601849	SANDWICH	Route 6 Rest Area Site Improvements WB	8/1/98 (3rd time for advertising)			NFA	"terminated"	state	\$150,914	NFA 3rd	1998



# Cape Projects Advertised and Status

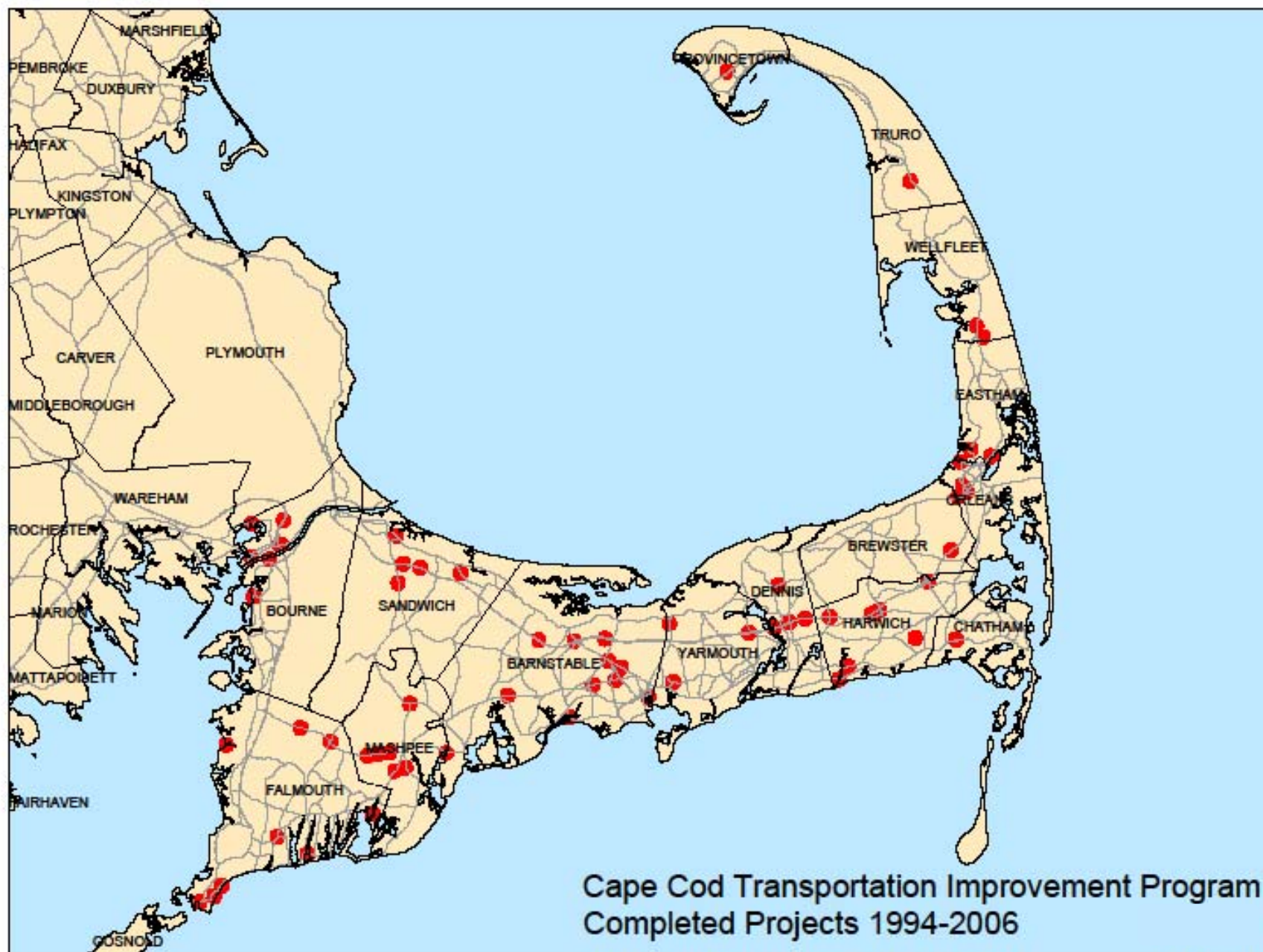
Cape Cod Transportation Improvement Program (TIP)

PROJIS or State Identification (SID) number	MUNICIPALITY of project location	DESCRIPTION	Advertising DATE	AWARD or BID OPENING DATE	Low bid, award amount, or TIP Programmed Amount	FUND in TIP	Completed?	Project Proponent	Estimated cost or award amount	FUND advertised	YEAR advertised (FFY)
600970	FALMOUTH	CHURCH ST BR#F-03-014 (timber bridge replacement)	9/19/98	1/12/99	E. T. & L. Corp.	BR	5/27/00	town	\$1,170,899	BR	1998
601966	BOURNE	Intersect Rte 6 and Nightingale Pond Dr & Scenic Dr	9/12/98	11/17/98	P.A. Landers	NFA	11/22/99	town	\$251,678	NFA	1998
1998 ADVERTISING PROGRAM									TOTAL	\$3,477,210	
601422	BOURNE +	Head of the Bay Road, (also Plymouth and Wareham)	? See below -- TIP 1999 funds			STP	advertised in 2000	town	see below	STP	1999
1999 ADVERTISING PROGRAM									TOTAL	\$0	
600967	Barns, Mashpee	Bridge, School St, Re-advertised May 2000 (orig 11/97)	5/6/00	6/13/00	\$698,584	BR	11/1/01	town	\$698,584	NFA	2000
601422	BOURNE +	Head of the Bay Road, (also Plymouth and Wareham)	7/8/00	9/12/00	\$1,285,815	STP	Dec 2001	state	\$1,248,879	STP	2000
601955	DENNIS	Route 6 @ Interchang 9 -- Route 134	6/17/00	9/19/00	\$2,165,316	NFA	2004	state	\$3,038,500	NFA	2000
601751	YARMOUTH	Buck Island and Town Brook Roads	6/24/00	8/22/00	\$1,389,680	STP	2002	town	\$1,665,000	STP	2000
no projis	PROVINCETOWN	Shank Painter Property Acquisition - statewide Enhancements			\$247,000	STP-E	complete	town	\$247,000	STP-E	2000
2000 ADVERTISING PROGRAM									TOTAL	\$6,897,963	
	BOURNE	Academy Road Railroad crossing	5/12/01 pen rejected 11/14/01			NFA ?		state	\$247,507	NFA	2001
602309	HARWICH, CCRT	BRIDGE, Route 6/ Cape Cod Rail Trail, H-10-020	10/20/00	1/23/01	\$703,342	CMAQ	11/24/01	regional	\$703,342	CMAQ	2001
602293	HARWICH	BRIDGE, Lower County Road over the Herring River	3/4/2004 22/01, re-advertised 7/21/01				-----	state	see below		2001
602293	HARWICH	BRIDGE, Lower County Road over the Herring River H-10-01	7/21/01	9/25/01	\$1,386,288	NFA	2003	state	\$1,386,288	NFA	2001
600756	HARWICH	BRIDGE, Route 6 over Depot Street H-10-016	6/2/01	7/31/01	\$1,895,284	NFA	2003	state	\$1,895,284	NFA	2001
601930	MASHPEE	Route 28 FalTL to Rotary, Shoulders & Sidewalk	7/21/01	9/25/01	\$959,370	STP	2003	state	\$959,370	STP	2001
603304	ORLEANS, CCRT	BRIDGE, Route 6/ Cape Cod Rail Trail	7/14/01	9/18/01	\$2,754,491	CMAQ	2003	regional	\$2,350,000	CMAQ	2001
600392	SANDWICH	Route 130 Reconstruction & related	9/29/01	7/9/02	\$1,904,711	NFA	complete 2004	town	\$1,900,000	NFA	2001
2001 ADVERTISING PROGRAM									TOTAL	\$9,441,791	
601466	CHATHAM	Bike Spur, from HarTL by airport then to downtown Chatham	8/10/02	11/19/02	\$1,438,041	CMAQ		town	\$1,800,000	CMAQ	2002
602842	Dennis Harwich	Route 28 overlay	3/19/02	4/23/02	\$1,509,535	NFA	Jun 02-03	state	\$1,491,063	NFA	2002
602520	Eastham Wellfleet	Route 6, Traffic safety improvements	12/3/01	4/2/02	\$1,038,839	NFA	complete 2004	state	\$996,181	NFA	2002
602531	FALMOUTH	BRIDGE, Meadow Neck Rd over the Moonakis River #F-03-019	9/7/02	12/17/02	\$861,489	BR	complete 2004	town/state	\$861,489	BR	2002
602562	ORLEANS	Main St, Rock Harbor Rd & Old Colony Rd	9/28/02	1/7/03	\$362,181	NFA	complete 2004	town	\$362,181	NFA	2002
2002 ADVERTISING PROGRAM									TOTAL	\$5,510,914	
603427	BARNSTABLE	Route 6 Resurfacing and drainage improvements	9/16/03	1/6/04	\$4,000,000	STP	complete 2005	state	\$4,000,000	STP	2003
602559	ORLEANS	Skaket Corners, Rte. 6A @ West Rd / Eldredge Park Way	11/21/03	2/18/04	\$730,000	NFA	complete 2006	town	\$962,000	NFA	2003
2003 ADVERTISING PROGRAM									TOTAL	\$4,962,000	
603521	FALMOUTH	Shining Sea Bikeway Phase IIB, Skating Lane to Carlson Lane	7/17/04	9/8/04	\$672,000	CMAQ	7/2/05	town	\$423,450	CMAQ	2004
601916	BARNSTABLE	Bearse's Way, Route 28 norhterly to Pitcher's Way	8/7/04	12/14/04	\$1,651,000	STP	complete	town	\$1,757,596	STP	2004
603847	BOURNE	Sagamore Rotary Area Improvements Depot & temp P&R lot	7/24/04	9/8/04	\$5,000,000	STP	complete	state	\$3,475,470	STP	2004
603847	BOURNE	Sagamore Rotary Chapter 149 fire station construction	8/14/04			STP	complete	state	\$4,065,000	STP	2004
603847	BOURNE	Sagamore Rotary -- grade separation	8/14/04			STP	complete	state	\$36,336,000	STP	2004
602326	YARMOUTH	Willow Street Recons (Rte 6 to relocated Higgins Crowell Rd)	9/27/04	2/1/05	\$2,652,000	STP	complete	town	\$2,652,000	STP	2004
2004 ADVERTISING PROGRAM									TOTAL	\$48,709,516	
601441	BARNSTABLE	Route 132 Boulevard	9/17/05	12/20/06	\$10,000,000	STP	landscaping underway	town	\$9,600,000	STP	2005
603813	EASTHAM-ORLEANS	Route 6 Resurfacing and related	7/23/05	fall '05	\$ 2,200,000	NFA	complete	state	\$2,200,000	NFA	2005

# Cape Projects Advertised and Status

Cape Cod Transportation Improvement Program (TIP)

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603349	FALMOUTH	WOODS HOLE BRIDGE	8/20/05	5/16/06	\$ 7,800,000	BR	complete	town	\$8,000,000	BR	2005	
2005 ADVERTISING PROGRAM									TOTAL	\$19,800,000		
S117 earmark	BARNSTABLE	Hyannis Gateway / Main St. Lighting etc.	7/8/06			S117	complete	town	\$378,944	S117	2006	
604091	DENNIS	Swan River Road reconstruction	8/12/06	9/25/07	\$2,395,528	CMAQ	complete	town	\$2,300,000	STP	2006	
55400	FALMOUTH	Palmer Avenue BR	9/16/06	10/16/07		BR	awarded-terminated	state	\$1,500,000	STP	2006	
603666	ORLEANS	Route 28 and Finlay Road intersection	9/9/06	7/24/07	\$645,524	STP	complete	town	\$590,000	STP	2006	
604335	SANDWICH	Route 130/Water St and Main St Intersection TOWN HALL SQ	8/26/06	10/16/07	\$546,657	STP	complete	town	\$600,000	STP	2006	
2006 ADVERTISING PROGRAM									TOTAL	\$5,368,944		
603520	FALMOUTH	Shining Sea Bikeway Ph III	9/1/07	3/25/08	\$3,631,123	CMAQ	7/09 complete	town	\$4,000,000	STP	2007	
2007 ADVERTISING PROGRAM									TOTAL	\$4,000,000		
603894	BOURNE	Rte. 6 Scenic Highway at Edgehill Road	4/26/08		\$4,935,910	STP	complete	town	\$3,948,728	STP	2008	
605037	DENNIS	Rte. 28 at Rte. 134 intersection improvements	9/20/08		\$843,000	CMAQ	complete	town	\$596,000	CMAQ	2008	
604919	HARWICH	Rte. 124 at Queen Anne Road intersection improvements	8/2/08	11/13/08	\$1,200,000	CMAQ	complete	town	\$859,800	CMAQ	2008	
CCNS	PROVINCETOWN	Rte. 6 at Province Lands Rd.	2/00/2008		\$2,500,000	Parks	complete	NPS	\$2,500,000	Parks	2008	
602923	YARMOUTH	Packet Landing site improvements	7/15/08	9/9/08	\$633,436	HPP	complete	town	\$633,436	HPP	2008	
2008 ADVERTISING PROGRAM									TOTAL	\$8,537,964		
604521	BARNSTABLE	Route 6A resurfacing	3/9/09	6/23/09	\$3,045,000	ARRA	complete	state	\$3,045,000	ARRA	2009	
604914	BARNSTABLE	Rte. 132 Boulevard Landscaping	5/9/09	7/14/09	\$1,500,000	STP-E	REJECTED - ReADV	town	\$0	STP-E	2009	
604914	BARNSTABLE	Rte. 132 Boulevard Landscaping	2/27/10	4/6/10	\$1,100,000	STP-E	NTP 7/8/10	town	\$783,933	STP-E	2009	
604096	BARNSTABLE	Rte. 28 at 3 locations Rte. 149, So, County Rd., Lumbert Mill Rd.	6/27/09	9/1/09	\$3,200,000	CMAQ	complete 2011	town	\$3,200,000	CMAQ	2009	
604224	BOURNE	Rte. 6 Scenic Highway resurfacing	4/4/09	4/21/09	\$1,651,519	ARRA	complete	state	\$1,651,519	ARRA	2009	
	CAPE Safety	Hwy Safety Improvement Program DESIGN (Sand. Cotuit Harlow)	9/1/09		\$458,514	HSIP	underway	state	\$458,514	HSIP	2009	
605214	DENNIS	Route 6A resurfacing	5/16/09	6/16/09	\$1,680,620	ARRA	complete	state	\$1,680,620	ARRA	2009	
603494	FALMOUTH	BRIDGE Chapoquoit Road BR#F-03-009 over W. Falm Harbor	8/8/09	11/10/09	\$3,000,000	BR	Spring 2012	town / state	\$2,667,948	BR	2009	
603609	FALMOUTH	Route 28 Section known as "Reine's Corner"	9/26/09	12/17/09	\$2,000,000	STP	Spring 2011	state	\$1,237,500	STP	2009	
2009 ADVERTISING PROGRAM									TOTAL	\$14,725,034		
604093	BARNSTABLE	Rte 149 at Rte 6 EB off-ramps, Roundabout construction	9/11/10	3/22/11	\$1,868,000	HSIP	underway	state	\$1,300,000	HSIP	2010	
604744	SANDWICH	Rte 130 at Rte 6 off-ramps, construction traffic signals & improv	9/11/10	2/8/11	\$2,434,000	STP	underway	state	\$1,521,000	STP	2010	
605943	BOURNE-SANDWICH	ITS - Camera & equipment installation at Sagamore & Bourne BRs	9/11/10	1/19/11	\$1,000,000	STP	underway	state	\$1,076,269	STP	2010	
	CCRTA	Vehicles, equipment & terminal improvements	9/11/10	10/1/10	\$635,322	ARRA FTA	transferred	state	\$635,322	ARRA FTA	2010	
2010 ADVERTISING PROGRAM									TOTAL	\$4,532,591		
604918	HARWICH	Route 137 reconstruction and improvements (\$ STP-U, TE, CMAQ)			\$5,916,934	STP-U						
606131	SANDWICH	Roundabout at intersection of Cotuit Rd - Harlow Rd/So. Sand. Rd.			\$1,043,641	HSIP						
2011 ADVERTISING PROGRAM									TOTAL	\$0		
* proposed bid opening date									FEDERAL AID amount advertised or obligated (from FHWA sources)			\$135,091,963
** proposed completion date for project									NON FEDERAL AID amount advertised or obligated (from state sources)			\$32,250,971
									TOTAL FHWA & NFA amount advertised or obligated only; CCRTA and/or other transit projects are not included here.			\$167,342,934



Federal Fiscal Year 2012			
FTA Categories	Authorized and Carryover	Programmed	Balance
<b>Section 5307</b>			
Planning	\$ 240,000	\$ 240,000	\$ -
Capital	\$ 668,681	\$ 668,681	\$ -
Operating	\$ 2,962,460	\$ 2,962,460	\$ -
Transit Enhancements	\$ 46,745	\$ 46,745	\$ -
<i>sub-total</i>	\$ 3,917,886	\$ 3,917,886	\$ -
<b>Section 5307 Carryover</b>	\$ -	\$ -	\$ -
Planning	\$ -	\$ -	\$ -
Capital	\$ 2,598,047	\$ 2,598,047	\$ -
Operating	\$ -	\$ -	\$ -
Transit Enhancements	\$ -	\$ -	\$ -
CMAQ/HPP/STP Transfers	\$ -	\$ -	\$ -
<i>sub-total</i>	\$ 2,598,047	\$ 2,598,047	\$ -
<b>TOTAL</b>	\$ 6,515,933	\$ 6,515,933	\$ -
FTA Categories	Authorized and Carryover	Programmed	Balance
<b>Section 5311</b>			
Capital	\$ -	\$ -	\$ -
Operating	\$ 46,018	\$ 46,018	\$ -
<i>sub-total</i>	\$ 46,018	\$ 46,018	\$ -
<b>Section 5311 Carryover</b>	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -
CMAQ/HPP/STP Transfers	\$ -	\$ -	\$ -
<i>sub-total</i>	\$ -	\$ -	\$ -
<b>TOTAL</b>	\$ 46,018	\$ 46,018	\$ -
<b>Section 5309</b>	\$ -	\$ -	\$ -

Federal Fiscal Year 2013			
FTA Categories	Authorized and Carryover	Programmed	Balance
<b>Section 5307</b>			
Planning	-	-	\$ -
Capital	\$ 1,726,745	\$ 1,726,745	\$ -
Operating	\$ 3,837,002	\$ 3,837,002	\$ -
Transit Enhancements	\$ 46,745	\$ 46,745	\$ -
<i>sub-total</i>	\$ 5,610,492	\$ 5,610,492	\$ -
<b>Section 5307 Carryover</b>	\$ -	\$ -	\$ -
Planning	\$ -	\$ -	\$ -
Capital	\$ 2,778,528	\$ 2,778,528	\$ -
Operating	\$ -	\$ -	\$ -
Transit Enhancements	\$ -	\$ -	\$ -
CMAQ/HPP/STP Transfers	\$ -	\$ -	\$ -
<i>sub-total</i>	\$ 2,778,528	\$ 2,778,528	\$ -
<b>TOTAL</b>	\$ 8,389,020	\$ 8,389,020	\$ -
FTA Categories	Authorized and Carryover	Programmed	Balance
<b>Section 5311</b>			
Capital	\$ -	\$ -	\$ -
Operating	\$ 46,018	\$ 46,018	\$ -
<i>sub-total</i>	\$ 46,018	\$ 46,018	\$ -
<b>Section 5311 Carryover</b>	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -
CMAQ/HPP/STP Transfers	\$ -	\$ -	\$ -
<i>sub-total</i>	\$ -	\$ -	\$ -
<b>TOTAL</b>	\$ 46,018	\$ 46,018	\$ -
<b>Section 5309</b>	\$ -	\$ -	\$ -

Federal Fiscal Year 2014			
FTA Categories	Authorized and Carryover	Programmed	Balance
<b>Section 5307</b>			
Planning	-	-	\$ -
Capital	\$ 1,680,000	\$ 1,680,000	\$ -
Operating	\$ 3,944,040	\$ 3,944,040	\$ -
Transit Enhancements	\$ 48,147	\$ 48,147	\$ -
<i>sub-total</i>	\$ 5,672,188	\$ 5,672,188	\$ -
<b>Section 5307 Carryover</b>	\$ -	\$ -	\$ -
Planning	\$ -	\$ -	\$ -
Capital	\$ 2,917,454	\$ 2,917,454	\$ -
Operating	\$ -	\$ -	\$ -
Transit Enhancements	\$ -	\$ -	\$ -
CMAQ/HPP/STP Transfers	\$ -	\$ -	\$ -
<i>sub-total</i>	\$ 2,917,454	\$ 2,917,454	\$ -
<b>TOTAL</b>	\$ 8,589,642	\$ 8,589,642	\$ -
FTA Categories	Authorized and Carryover	Programmed	Balance
<b>Section 5311</b>			
Capital	\$ -	\$ -	\$ -
Operating	\$ 46,018	\$ 46,018	\$ -
<i>sub-total</i>	\$ 46,018	\$ 46,018	\$ -
<b>Section 5311 Carryover</b>	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -
CMAQ/HPP/STP Transfers	\$ -	\$ -	\$ -
<i>sub-total</i>	\$ -	\$ -	\$ -
<b>TOTAL</b>	\$ 46,018	\$ 46,018	\$ -
<b>Section 5309</b>	\$ -	\$ -	\$ -

Federal Fiscal Year 2015			
FTA Categories	Authorized and Carryover	Programmed	Balance
<b>Section 5307</b>			
Planning	-	-	\$ -
Capital	\$ 1,680,000	\$ 1,680,000	\$ -
Operating	\$ 4,054,290	\$ 4,054,290	\$ -
Transit Enhancements	\$ 49,592	\$ 49,592	\$ -
<i>sub-total</i>	\$ 5,783,881	\$ 5,783,881	\$ -
<b>Section 5307 Carryover</b>	\$ -	\$ -	\$ -
Planning	\$ -	\$ -	\$ -
Capital	\$ 3,004,978	\$ 3,004,978	\$ -
Operating	\$ -	\$ -	\$ -
Transit Enhancements	\$ -	\$ -	\$ -
CMAQ/HPP/STP Transfers	\$ -	\$ -	\$ -
<i>sub-total</i>	\$ 3,004,978	\$ 3,004,978	\$ -
<b>TOTAL</b>	\$ 8,788,859	\$ 8,788,859	\$ -
FTA Categories	Authorized and Carryover	Programmed	Balance
<b>Section 5311</b>			
Capital	\$ -	\$ -	\$ -
Operating	\$ -	\$ 46,018	\$ -
<i>sub-total</i>	\$ 46,018	\$ 46,018	\$ -
<b>Section 5311 Carryover</b>	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -
CMAQ/HPP/STP Transfers	\$ -	\$ -	\$ -
<i>sub-total</i>	\$ -	\$ -	\$ -
<b>TOTAL</b>	\$ 46,018	\$ 46,018	\$ -
<b>Section 5309</b>	\$ -	\$ -	\$ -

# STATUS OF FFY 2011 TRANSIT PROJECTS

## Federal Funds

RTA	MPO	Section	Description	Federal Funds	Approval status	Grant#	Comments
CCRTA	Cape Cod	5307	FY08 Operating/FY09 Capital Budget	\$3,067,212	approved	MA-90-X556-00	completed
CCRTA	Cape Cod	5320	FY08 Replacement Vehicles for P/T Shuttle	\$1,850,000	approved	MA-20-X002-00	ongoing
CCRTA	Cape Cod	5307	FY09 ARRA	\$6,353,000	approved	MA-96-X009-00	ongoing
CCRTA	Cape Cod	5307	FY09 Operating/FY10 Capital Budget	\$2,091,339	approved	MA-90-X573-00	ongoing
CCRTA	Cape Cod	5317	FY10 New Freedom Accessable Taxis	\$236,222	approved	MA-57-X0012-00	ongoing
CCRTA	Cape Cod	5307	FY10 Replenish ARRA 2.6 MBTA compatable EFS	\$635,322	approved	MA-66-X009-00	ongoing
CCRTA	Cape Cod	5317	FY11 Cape Cod Mobility Management Technology	\$86,810	approved	MA-57-X019-00	ongoing
CCRTA	Cape Cod	5307	FY10 Operating/FY11 Capital Budget/Rail Study	\$2,535,396	approved	MA-90-X601-00	ongoing
CCRTA	Cape Cod	5316	FY11-FY13 CCRTA Holiday Service(3yr.)	\$117,711	approved	MA-37-X017-00	ongoing
				\$16,973,012			

## State Funds

RTA		Section	Description	State Funds	Approval status	Grant#	Comments
CCRTA	Cape Cod	MAP-33	Mobility Assistance-4MB/8Vans	\$652,487	approved	MA State Contract (EOTC)	ongoing
CCRTA	Cape Cod		RTACAP'10	\$162,404	approved	MA State Contract (EOTC)	<u>Completed</u>
CCRTA	Cape Cod		RTACAP'11	\$22,682	approved	MA State Contract (EOTC)	ongoing
CCRTA	Cape Cod		5311 Operating Assistance	\$46,018	approved	MA State Contract (EOT)	<u>Completed</u>



# ATTACHMENTS

## C1. GLOSSARY

### C1a. DEFINITIONS

The terms below define primarily the column headings in the TIP Projects Listing tables:

**DESCRIPTION** - This column is a brief description of the project. Complete descriptions can be obtained through the project proponent.

**MUNICIPALITY** - This column lists the town(s) of project location, “Capewide” for a regional project. The project proponent may also be listed in this column, e.g. “CCRTA, Capewide.”

**SID #** - (State identification number) This column contains the number of the project assigned by the state. When a MHD “PROJIS” number has been assigned to the project, this number is included.

**FUND** - Proposed funding category for the project (described in A6. Transportation Funding Programs)

**FED FUNDS** - Estimated federal share cost of the project.

**STATE FUNDS** - Estimated state share cost of the project.

**TOTAL COST** - Estimated total project cost.

**STATEWIDE** - Anywhere in the Commonwealth of Massachusetts.

**CAPEWIDE** - Anywhere on Cape Cod (Barnstable County).

### C1b. ACRONYMS

AADT	Annual Average Daily Traffic
AASHTO	American Association of State Highway and Transportation Officials
ARC	Available Reserve Capacity
BTP&D	(Massachusetts) Bureau of Transportation Planning and Development





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CAAA	Clean Air Act Amendments of 1990
CEPO	Capital Expenditure and Program Office
CCC	Cape Cod Commission
CCJTC	Cape Cod Joint Transportation Committee
CCRTA	Cape Cod Regional Transit Authority
CMAQ	Congestion Mitigation and Air Quality Improvement Program
CMR	Code of Massachusetts Regulations
CO	Carbon Monoxide
CTPS	Central Transportation Planning Staff
CZM	(Massachusetts) Coastal Zone Management
DCPO	Division of Capital Planning and Operations
DEP	Department of Environmental Protection
DOT	United States Department of Transportation
DRI	Development of Regional Impact
EIR	Environmental Impact Report
EIS	Environmental Impact Statement
EOEA	(Massachusetts) Executive Office of Environmental Affairs
EOTPW	(Massachusetts) Executive Office of Transportation and Public Works (2007)
EPA	Environmental Protection Agency
ESC	(Massachusetts) Enhancements Steering Committee
FA	Federal Aid
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
FY	Fiscal Year or Federal Fiscal Year
GPS	Global Positioning System
HPP	High Priority Project
ISTEA	Intermodal Surface Transportation Efficiency Act of 1991
ITC	Intermodal Transportation Center
ITE	Institute of Transportation Engineers
ITS	Intelligent Transportation System(s)
LOS	Level of Service
LRTP	Long Range Transportation Plan
MAP	Mobility Assistance Program
MassDOT	Massachusetts Department of Transportation
MEPA	Massachusetts Environmental Protection Act
MHD	Massachusetts Highway Department or MassHighway Department
MPO	Metropolitan Planning Organization or Cape Cod Metropolitan Planning Organization
NAAQS	National Ambient Air Quality Standards
NFA	Non Federal Aid



NHS	National Highway System
NHTSA	National Highway Traffic Safety Administration
NO <sub>x</sub>	Nitrogen Oxides
PPP	Public Participation Process, or Public Participation Plan
PWED	Public Works Economic Development Program
RPA	Regional Planning Agency
RPP	Regional Policy Plan
RTA	Regional Transit Authority
RTP	Regional Transportation Plan
SIP	State Implementation Plan
SOV	Single Occupancy Vehicle
STEA	Surface Transportation Extension Act of 1997
STIP	Statewide Transportation Improvement Program
STP	Surface Transportation Program
TAZ	Traffic Analysis Zone
TEA-21	Transportation Equity Act for the 21st Century
TDM	Transportation Demand Management
TIP	Transportation Improvement Program
TMA	Transportation Management Area
TSM	Transportation Systems Management
USGS	United States Geographical Survey
v/c	Volume to Capacity
VMT	Vehicle Miles Traveled
VPD	Vehicles Per Day
VPH	Vehicles Per Hour





## C2. COMMENTS

This TIP comment period officially began after the Cape Cod Metropolitan Planning Organization (MPO) voted to release the Draft TIP for the public review/ comment period. An August meeting of the MPO is expected for endorsement consideration.

Comments on this TIP may be sent via mail, hand delivered, by facsimile, or via e-mail, as follows:

*Mailed or dropped off:*

**Cape Cod Commission Transportation Program  
Priscilla Leclerc, Senior Transportation Planner  
3225 Main Street (Route 6A)  
PO Box 226  
Barnstable, MA 02630-0226**

*Sent by facsimile* to the attention of **Priscilla Leclerc, Senior Transportation Planner, CCC: FAX: 508-362-3136**

*Electronic mail "email"*—please put "**TIP**" in the subject line and send to:  
**pleclerc@capecodcommission.org**

### **Comments / Questions received on this TIP:**

The following pages include the comments received on this TIP during the July—August 2011 public comment period, and the staff response will be presented at the August 22, 2011 MPO meeting.

Many of the housekeeping and informational edits based on comments have been made to the final draft TIP. The comment to change the Secretary of Transportation was considered; however, because the TIP endorsement is expected to occur at the August 22<sup>nd</sup> MPO meeting, and Secretary Jeffrey Mullan will still be in that office until September 2011, it was agreed to leave the current Secretary for MassDOT in the document.



From: Quintero-Schulz, Julie <jquintero-schulz@capecodrta.org>  
Sent: Friday, July 22, 2011 5:30 PM  
To: Priscilla Leclerc  
Cc: Lynn Ahlgren  
Subject: RE: MPO Releases Draft Documents - Public Comments Welcome  
Priscilla,

According to the Option 1 handout that was provided to everyone on Monday, there appears to be 3 2012 projects with \$890,680 under fund. What does this number represent...is this "leftover" money? If so, the CCRTA would like to move its 2013 "Two new transit services Bourne to Falmouth and Bourne to Sandwich" to 2012, seeing that it would take ¼ of the "FUND?" We would also seek similar funding levels in 2013 and 2014, as new service is eligible for 3 years of funding.

*The comment to move the new CCRTA transit services into 2012 was discussed by the CCJTC on August 12, 2011. Some of the CCJTC Members present had reservations about having enough funds for the projects in year 2012, considering what had happened with the increase in project cost in year 2011.*

---

**From:** Glenn Cannon  
**Sent:** Thursday, August 04, 2011 2:03 PM  
**To:** Priscilla Leclerc  
**Subject:** RE: TIP comments

Hey Priscilla,  
More information on the Bourne Project to be added to the TIP under "Projects in need of Funding"  
Belmont Circle Intersection Improvement Project \$5,110,000  
Bourne Rotary Improvement Project \$50,000,000  
Route 6/Route 28 Bypass – Memorial Circle to Belmont Circle (1.1 Miles) \$2,000,000  
Memorial Circle Intersection Improvement Project \$1,125,000  
Scenic Highway (Route 6) Median Barrier \$12,000,000  
Glenn

*These projects will be added to the list of "Projects in Need of Funding".*



FHWA Comments on Cape Cod TIP

8-15-2011

Very first page

Given the recent appointment of a new Secretary of Transportation, the Cape Cod Commission may want to consider reflecting the new Secretary's name as the Chief Executive Officer of Mass DOT. While Secretary Mullin has been in office during the development of this and other certification documents, they will become effective on October 1, 2011, when the New Secretary is expected to be in office. It may be best to discuss this with Mass DOT OTP.

Please add FHWA and FTA as Ex-Officio members of the MPO.

Page IV

Again, please discuss the name that should appear as the Secretary/Chief Executive Officer, on the signatory page of the document.

Page 2-3; Air Quality Conformity Status

FHWA has reservations at this time regarding the statement that "All SIP TCMs have been accomplished through construction or through implementation of ongoing programs." There are TCMs that have not progressed according to schedule, for which offsets have been proposed. It is not yet clear whether the EPA will require additional actions to allow for a positive conformity finding, with specific regard to timely implementation requirements. This issue will require additional discussion.

Page 19 – 2012 Highway Element

For project 605243 (Yarmouth), please show the total cost of the project in the comments section.

Page 20

Same comment for the three projects in Section 2B/ Non-Federal Bridge Projects.

Page 22 – 2013 Highway Element

Please enter the Total Cost for each of the projects programmed, including the CMAQ transfers to FTA, in Section 1A. Please enter "TI 173" as the funding source for project 604448. It was entered in the Comments section and should remain there too.

Please provide a brief description in the comments section for project 606179, regarding limits of work and type of work.

Page 24 – 2014 Highway Element



Project 604448 appears again, since it has been advanced using the Advance Construction method. Why does the description read "Construction AC YR 2 2013...? Is the 2013 year entered because it was originated in 2013 ? **Same comment for the 2015 element.**

Page 27 – 2015 Highway Element

Please enter the total cost for the projects shown in Section 1A.

Page 31-33

The completion dates for the following projects should be entered:

601563, 601849, 601955, 601751, 602293, 600756, 601930, 603304, 604093, 604744, and 605943.

*From: Priscilla Leclerc [mailto:pleclerc@capecodcommission.org]*

*Sent: Tuesday, August 16, 2011 10:03 AM*

*To: Callida.Cenizal@state.ma.us*

*Cc: Maloney, Paul (FHWA)*

*Subject: TIP and AQ comments*

*Hello Calli,*

*I just received these comments by Paul Maloney, FHWA, on the TIP, and as a result I have questions for you:*

*On the TIP first page and on Page iv, Paul is recommending that the Secretary of Transportation be changed from Sec. Mullan; please let me know MassDOT's opinion on this item.*

*I will add FHWA and FTA as Ex-Officio members.*

*Air Quality – Cape Cod has had no TCMs, but please check with Bob Frey about the language in the air quality section.*

*Yarmouth 605243 total cost is \$1,221,000, and I can add that to the comments section.*

*I will also copy the total cost to the add'l info column for the three Bridges in Section 2B on page 20.*

*On page 22, I will enter total costs for all projects, and T1173 for 604448. For 606179, I do not have exact project limits, but I believe that this project will be removed from the list. This project is no longer on the newer NHS list that was received after the MPO meeting.*

*Page 24, For 604448, I will correct the description. (Yes, Paul, the project was originally in 2013 but MassDOT wanted it moved to 2014-2015.)*

*I will add total costs to add'l info for 2015 highway projects on page 27.*

*The list of previous project advertising and status was updated, including more completion dates.*



CAPE COD  
COMMISSION



Deval L. Patrick, Governor  
Timothy P. Murray, Lt. Governor  
Jeffrey B. Mullan, Secretary & CEO

**massDOT**  
Massachusetts Department of Transportation

August 15, 2011

Mr. Glenn Cannon  
Technical Services Director  
Cape Cod Commission  
3225 Main Street P.O. Box 226  
Barnstable, MA 02630

Dear Mr. Cannon:

The Office of Transportation Planning has reviewed the draft 2012 to 2015 Transportation Improvement Program (TIP) released by the Cape Cod Commission on July 18, 2011. I would like to take this opportunity to comment on the draft document released for public review. Please find our comments below:

- On page 15, there is no mention of the Highway Safety Improvement Program. Please include this program as one of the transportation funding programs.
- Please include the percentage of design status in the Additional Information column for each of the projects in 2012.
- On the 2012 TIP highway listing, there are no projects that appear to access Statewide Enhancement funding. The Cape Cod region is eligible for up to \$137,553 in Statewide Enhancement funding. I recommend that the MPO look into enhancement-eligible projects to take advantage of this funding. Please also note that MassDOT encourages the advancement of the Bay State Greenway and similar projects.
- On the 2012 TIP highway listing, under section 1D, the NHS project #605619, Falmouth – Resurfacing and Related Work on Route 28 should be removed.
- On the 2012 TIP highway listing, under section 1D, the NHS project #606178, Bourne – Resurfacing of Route 28, should be moved and placed in the 2014 element of the TIP, where the cost should read as follows:
  - Total cost of \$6,071,501 = \$4,857,201 federal + \$1,214,300 state funds.
- On the 2012 TIP highway listing, under section 2B, for project #603892, Dennis – Bridge Replacement, D-07-001, the cost is incorrect. The cost should read \$2,669,125.
- On the 2012 TIP highway listing, under section 2B, for project #605291, Dennis – Bridge Replacement, D-07-006, the cost is incorrect. The cost should read \$5,441,952.
- On the 2012 TIP highway listing, under section 2B, for project #603690, Chatham – Bridge Replacement, C-07-001, the cost is incorrect. The cost should read \$10,555,222.
- On the 2013 TIP highway project listing, under section 1C, for project #604488, Dennis-Yarmouth – Cape Cod Rail Trail Extension, from Route 134 to Willow Street, the amount of the earmark is incorrect. The cost is as follows:

Ten Park Plaza, Suite 3170, Boston, MA 02116  
Tel: 617-973-7000, TDD: 617-973-7306  
[www.mass.gov/massdot](http://www.mass.gov/massdot)

Leading the Nation in Transportation Excellence



(MassDOT comments, page 2)

- Total cost of \$2,846,080 = \$2,276,864 federal + \$569,216 state funds.
    - Please ensure that the comments under Additional Information reflect the revised funding category breakdown of the project.
- On the 2013 TIP highway project listing, under section 1D, the NHS project #606286, Bourne-Sandwich – Resurfacing of Route 6 (Mid-Cape Highway), needs to be added. The cost, as adjusted for year of expenditure, is as follows:
  - Total cost of \$6,661,200 = \$5,328,960 federal + \$1,332,240 state funds.
- On the 2013 TIP highway project listing, under section 1D, the NHS project #606179, Dennis-Harwich-Brewster-Orleans – Resurfacing and Related Work on Route 6, should be removed.
- On the 2015 TIP highway project listing, under section 1A, the CMAQ project #604488, Dennis-Yarmouth – Cape Cod Rail Trail Extension, from Route 134 to Willow Street, has an incorrect cost. The cost is as follows:
  - Total cost of \$633,780 = \$507,024 federal + \$126,756 state funds.
    - Please ensure that the comments under Additional Information reflect the revised funding category breakdown of the project.
- On the 2012 TIP transit project listing, please break out the separate elements, specifically the Rail Demo Subsidy, from the 5307 line item, “Capital Project MAP Accessories, Narrowband Radio, etc.”
- On the 2012-15 TIP transit project listing, there is an excess of State Contract Assistance as a match to 5311 funds. Please explain why the majority of SCA is being used in this category instead of leveraging other federal funds.
- On the 2012 and 2013 TIP transit project listing, the allotted amounts of RTACAP and SCA for the CCRTA are overprogrammed. Please reduce the amount programmed to bring the document into financial constraint.
- On the 2014 TIP transit project listing, the allotted amounts of RTACAP, MAP and SCA for the CCRTA are overprogrammed. Please reduce the amount programmed to bring the document into financial constraint.
- On the 2015 TIP transit project listing, the allotted amount of RTACAP for the CCRTA is overprogrammed. Please reduce the amount programmed to bring the document into financial constraint.

Please feel free to contact me at (617) 973-7844 or Calli Cenizal at (617) 973-8079 if you have any questions.

Sincerely,

David J. Mohler  
Executive Director  
Office of Transportation Planning





CAPE COD  
COMMISSION

Cape Cod Metropolitan Planning Organization  
Priscilla Leclerc, Senior Transportation Planner  
c/o Cape Cod Commission

via e-mail

August 17, 2011

Dear Priscilla:

On behalf of the Town of Bourne, I am submitting a copy of a statement voted unanimously by the Bourne Board of Selectmen at its meeting last evening, Tuesday, August 16, 2011. The statement is intended as public comment during the MPO's public comment period on the three draft planning documents: the Cape Cod Regional Transportation Plan, the Cape Cod Transportation Improvement Program for Federal Fiscal Years 2012-2015, and the Unified Planning Work Program for Federal Fiscal Year 2012.

The Selectmen's statement is followed here by a copy of a letter that has been sent to the Massachusetts DOT from the Bourne Planning Board. This is for the information of the MPO members.

Please see that the Selectmen's statement is included in the public comments that will be reviewed by the MPO before it votes to endorse the drafts of the RTP, TIP, and UPWP.

Thank you for your assistance.

Sallie Riggs

Cc: Tom Guerino, Town Administrator  
Coreen Moore, Town Planner  
Glenn Cannon, Cape Cod Commission

MOTION: I move that the Board of Selectmen, on behalf of the Town of Bourne, strongly advise the Cape Cod Metropolitan Planning Organization (MPO) to re-prioritize the Unified Planning Work Program to include thorough planning efforts for the reconfiguration or removal of the Bourne Rotary; and further that the MPO support and move forward the Buzzards Bay road configuration project as previously endorsed by the Bourne Selectmen and reviewed by the Joint Transportation Committee and MPO. Additionally, the Selectmen urge that the MPO allocate funds funding for the proposed fixed route regional transit program for both the Towns of Bourne and Sandwich.

We encourage the MPO to reassess the excessive expenditure of seven million dollars for the resurfacing of MacArthur Boulevard and reallocate funding for more substantive projects that will better enhance the quality of life and ease transportation difficulties for all residents of and visitors to Cape Cod.

*unanimously approved 8/16/11*

*Don Richard, Chairman*



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**TOWN OF BOURNE**  
***Planning Board***

Bourne Town Hall  
24 Perry Avenue  
Buzzards Bay, MA 02532  
Phone: (508) 759-0615 Fax: (508) 759-0611



August 12, 2011

Ms Pamela Hazner, MassDOT Project Manager  
District 5  
1000 County Street  
Taunton, MA 02780

Re: Route 28 & Route 6 Resurfacing & related Work

Dear Ms. Hazner:

The Bourne Planning Board is submitting this letter in response to a letter dated June 7, 2011 referencing the MassDOT resurfacing projects in the Town of Bourne specifically Route 28 (General MacArthur Boulevard) from the Bourne Bridge to the Bourne/Falmouth Town line and the Route 6 (Mid-Cape Highway).

It is our understanding that the project will basically be a repaving project and not include any infrastructure changes. We appreciate MassDOT efforts to improve the surfacing of the roadway however we feel that there are other significant issues that should be addressed before \$7,000,000 ± is spent on resurfacing.

As you know MacArthur Boulevard is a significant local, regional and state roadway. The Town of Bourne has identified MacArthur Boulevard as high priority action item in our Local Comprehensive Plan. Our first concern is that of safety, the other concern is for the local businesses along the boulevard. The Town is currently in the process of requesting an increase in the development of regional impact threshold from the Cape Cod Commission for projects along MacArthur Boulevard. However, we understand that if improvements are not made to the roadway we are limited to the amount of growth that will be able to occur. We believe this is a perfect opportunity to discuss potential improvements along the boulevard not only to improve safety but to enhance the local economy.





We would like to request a meeting to discuss this further. We would also like you to consider delaying the resurfacing project until we are able to discuss potential short term and long term changes along MacArthur Blvd. We would suggest that the following items be part of the discussion:

1. Improvements to the existing turnarounds including reconfiguration, relocation and/or elimination. Especially the turnarounds at the landfill, Waterhouse Road, Clay Pond Road and Barlow's Landing Road.
2. Consolidation of curbeuts in the area of 606 – 630 MacArthur Boulevard by formally creating an access road and or the addition of guardrails or berm to prevent direct access onto MacArthur Boulevard.
3. The addition of a third lane as a breakdown/deceleration lane from rotary to rotary
4. Signage for local businesses
5. Vista pruning of the median to increase visibility of those businesses on the southbound lane.
6. Improvements to the Bourne Rotary that would address backups on MacArthur Blvd north to Bourne Bridge and Sandwich Road, and a total reconfiguration of the rotary including a bypass road.

We would also like to offer the following recommendations for the Route 6 Mid Cape Highway improvements

1. Extend off ramps
2. Improve drainage at the bottom of the bridge
3. Vista pruning to enhance visibility for surrounding businesses

Thank you for your attention in this matter, we look forward to hearing from you.

Sincerely,

Christopher Farrell, Chairman Bourne Planning Board

Cc: Coreen V. Moore, Bourne Town Planner  
Bourne Board of Selectmen  
Thomas Guerino, Bourne Town Administrator  
Ricki Tellier, Bourne DPW Superintendent  
Michael Blanton, Bourne rep to the CCC  
Bourne's Transportation Advisory Committee  
Sallie Riggs, Bourne Financial Development Corporation



CAPE COD  
COMMISSION



508 457-5305 www.bfdcconline.org  
P. O. Box 289, Buzzards Bay, MA 02532-0289

#### Statement for Transportation Planning Public Comment Period

In summary, the mission of the BFDC is to improve the quality of life for Bourne residents. In that context, BFDC Directors are concerned about the public safety hazards, congestion, travel delays and other disruptions caused by the Bourne rotary and its associated access roads.

The BFDC Directors welcome the opportunity for public comment on the region's transportation planning documents: the Regional Transportation Plan for 2011-2035, the Transportation Improvement Program for 2012-2015 and the Unified Planning Work Program for 2012.

Bourne's transportation planning priorities are:

- \* Completion of Bourne's Downtown Main Street streetscape
- \* Reconfiguration of Bourne's Downtown road network including Route 25 access ramp/Belmont Circle, Memorial Circle, and the by-pass
- \* Removal and/or redesign of the Bourne rotary and its approaches and the connections between approaches

In that context, we have the following comments:

Unified Planning Work Program: We are extremely disappointed in noting the absence of any planning efforts concerning the removal/redesign of the Bourne Rotary and its approaches and connections. Congestion around the rotary is not just a tourist problem. People commuting to work from off-Cape or from the Cape to off-Cape sites, people traveling to medical appointments or to the grocery store, drug store and dry cleaners, families taking children to school or after-school programs – all use the bridges every day, all year. And these drivers encounter travel delays, safety concerns, increased pollution, and other hazards in transiting to and from the Bourne Bridge. Removing the rotary will be a multi-year project – we advocate for planning to begin immediately.

Transportation Improvement Program: We are concerned, especially in the context of the statement above, that under "Projects on Need of Funding" there is no mention of planning for changes to the Bourne Rotary, or changing the Route 25 access ramp/Belmont Circle and other Buzzards Bay road reconfigurations which were endorsed by the Bourne Board of Selectmen and presented to the JCT and MPO with enthusiastic responses. Changing the Route 25 access ramp/Belmont Circle would be a quick and relatively inexpensive fix for the congestion frequently encountered on Scenic Highway (Route 6) approaching the Bourne Bridge and the ramp to routes 25 and I-495.

Transportation Improvement Program: We believe that the \$7+ million planned for a 2012 resurfacing project for Route 28 (MacArthur Boulevard) in 2012 could be better used for other state highway projects within the Town. The main concern is timing – the Town is working to improve the commercial component of Route 28 which will include altering access to businesses, improving public safety, and other infrastructure alterations. In the context of these changes, resurfacing Route 28 at this time would only have to be repeated, a duplication of expense.

*Adopted by vote of the BFDC Board of Directors: August 10, 2011*

C:\BFDC\Endorsements\Transportation planning 2011.docx



CAPE COD  
COMMISSION

**From:** Karst\_Hoogeboom@nps.gov  
**Sent:** Thursday, July 07, 2011 1:09 PM  
**To:** Priscilla Leclerc  
**Cc:** Clay Schofield  
**Subject:** RE: Seashore TIP

Here is a screen shot of our list of projects from 11 to 15. Do you need more detail?  
 PMIS Number Region [Sort Key 1] Alpha Code [Sort Key 2] Total Cost [Sort Key 3]  
 Title Review Status 154133 Northeast CACO \$35,000.00 Remote Parking communication/monit  
 oring Phase II Park-approv ed

*Yes, please add the year for implementation / construction projects for the TIP.*

YEAR	PMIS Number	Region	Alpha Code	Total Cost	Title	Review Status
	154133	Northeast	CACO	\$ 35,000	Remote Parking communication/monitoring Phase II	Park Approved
	154131	Northeast	CACO	\$ 40,000	Remote Parking communication/monitoring Phase I	Region Reviewed
	163155	Northeast	CACO	\$ 49,920	Signage for Bicycle network for Cape Cod	Region Reviewed
	154127	Northeast	CACO	\$ 100,000	CACO Visitor Parking Survey	Region Reviewed
	154021	Northeast	CACO	\$ 100,000	Additional ITS Hardware/transit kiosks	Park Approved
	135562	Northeast	CACO	\$ 107,726	Overlay Route 0011 Cable Road in Eastham of CACO	Park Approved
	163674	Northeast	CACO	\$ 119,600	Race Point/MacMillan Pier Bicycle	Park Approved
	163158	Northeast	CACO	\$ 120,000	Bicycling brochure and map for Outer Cape	Region Reviewed
	163675	Northeast	CACO	\$ 150,000	Smart Card Implementation	Region Reviewed
	127485	Northeast	CACO	\$ 175,000	Ongoing Coordination of Public and Private	Region Reviewed
	154154	Northeast	CACO	\$ 175,000	Ongoing Coordination of Public and Private	Park Approved
	154153	Northeast	CACO	\$ 175,000	Ongoing Coordination of Public and Private	Park Approved
	163566	Northeast	CACO	\$ 186,045	Construct Head of the Meadow Bicycle Trail Extension and Connection	Park Approved
	163169	Northeast	CACO	\$ 200,000	Support formation non-profit 501© 3 alliance for stewardship of entire & future CCRT	Region Reviewed
	135563	Northeast	CACO	\$ 220,700	Overlay Route 19 Nauset Road in Eastham of CACO	Park Approved
	133880	Northeast	CACO	\$ 250,000	Evaluation of Existing Transit Information Software & Procurement	Park Approved
	152193	Northeast	CACO	\$ 343,928	Repave Beach Forest Parking	Park Approved
	127801	Northeast	CACO	\$ 420,000	Rehabilitation and Realignment of Route 0018 of US Highway 6	Park Approved
	163677	Northeast	CACO	\$ 450,000	Purchase Tram For Marconi Beach Shuttle	Park Approved
	135624	Northeast	CACO	\$ 465,941	Overlay Route 0015 Province Lands Road in Province Lands of CACO	Park Approved
	135536	Northeast	CACO	\$ 469,584	Rehabilitation Route 0020 Old Dewline Road	Region Reviewed
	152121	Northeast	CACO	\$ 483,588	Repave Doane Road	Park Approved
	154114	Northeast	CACO	\$ 491,729	Beach Vehicle Replacement	Region Reviewed
	162905	Northeast	CACO	\$ 500,000	Intelligent Transportation System (ITS) Design Project for Cape Cod	Region Reviewed
	154020	Northeast	CACO	\$ 509,480	Beach Shuttle Expansion Replacement	Region Reviewed
	135632	Northeast	CACO	\$ 513,980	Overlay Route 0013 Marconi Site Road in Wellfleet of CACO	Region Reviewed
	162964	Northeast	CACO	\$ 525,000	Public and Private Transportation Partners Coordination --Phase II	Region Reviewed
	154111	Northeast	CACO	\$ 570,048	Beach Shuttle Expansion Replacement Phase 2	Park Approved
	154118	Northeast	CACO	\$ 570,318	Beach Vehicle Replacement	Park Approved
	98464	Northeast	CACO	\$ 602,157	Operate Little Creek Staging Area Beach Shuttle	WASO Reviewed
	135214	Northeast	CACO	\$ 955,971	Overlay Route 14 Race Point Road in the Province Lands of CACO	Region Reviewed
	152184	Northeast	CACO	\$ 1,226,419	Repave Marconi Beach Road - Cold-in-Place+OV2	Park Approved
	162900	Northeast	CACO	\$ 1,342,016	ITS Parking Management System Implementation	Region Reviewed
	106665	Northeast	CACO	\$ 1,526,000	Purchase and Contract Out for Intelligent Transportation System (ITS)	Region Reviewed
	76771	Northeast	CACO	\$ 1,601,569	Rehabilitate Head of the Meadow Bike Path	Region Reviewed
	173018	Northeast	CACO	\$ 1,955,626	Correction of life/safety hazards and rehabilitation at Nauset Bike Trail	Region Reviewed
	133884	Northeast	CACO	\$ 2,650,000	Replace Buses for the Provincetown/Truro Shuttle Service	Region Reviewed
	154031	Northeast	CACO	\$ 3,009,269	CACO Parking Improvement Implementation	Region Reviewed
	163720	Northeast	CACO	\$ 3,085,102	Repair and overlay eleven roads and parking lots throughout park	Park Approved
	146281	Northeast	CACO	\$ 3,500,000	Design and Construct Outer Cape Satellite Maintenance Facility	Park Approved
	67	Northeast	CACO	\$ 5,177,062	Provincetown, Truro and Route 6 Multiuse Path Master Planning, Project Design & Construction	Park Approved
	146282	Northeast	CACO	\$ 18,364,703	Extension of Cape Cod Rail Trail, Phase I - EA and Design	Park Approved
				\$ 53,513,480		

**Cape Cod Metropolitan Planning Organization  
Operations and Maintenance Summary Table  
For the Cape Cod Regional Transit Authority  
State Fiscal Year 2007**

The numbers below represent actual numbers for the previous year, the current year budget/forecast approved by the RTA Advisory Board, and Projections for the out-years as used in the Program Preview meetings with the State. These numbers indicate that there are sufficient revenues projected to meet the operating needs of the area transit authority.

<b>Operating Revenue</b>	<b>Previous</b>	<b>Current</b>	<b>Yr Two</b>	<b>Yr. Three</b>	<b>Yr Four</b>
	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
Farebox	\$769,100	\$923,900	\$1,101,000	\$1,123,020	\$1,145,480
Section 5307	\$2,069,818	\$3,742,630	\$4,012,002	\$4,092,242	\$4,174,087
Section 5311	\$46,000	\$46,018	\$46,018	\$46,018	\$46,000
CMAQ/TDM	\$0	\$0	\$0	\$0	\$0
Fully Funded *	\$4,416,418	\$4,423,680	\$5,290,380	\$5,501,995	\$5,722,075
Job Access/Reverse Commute					
New Freedom					
Advertising					
Interest Income	\$12,000	\$6,000	\$6,500	\$6,695	\$6,896
Rental Income	\$33,609	\$27,200	\$27,200	\$28,016	\$28,856
State Contract Assistance **	\$3,249,026	\$3,249,026	\$3,029,657	\$3,120,547	\$3,214,163
Local Assessment	\$1,466,097	\$1,466,097	\$1,477,551	\$1,521,878	\$1,567,534
Other: (Define)	\$31,691	\$70,000	\$76,400	\$78,692	\$81,053
<b>TOTAL</b>	<b>\$12,093,759</b>	<b>\$13,954,551</b>	<b>\$15,066,708</b>	<b>\$15,519,102</b>	<b>\$15,986,144</b>

<b>Operating Expenses ***</b>	<b>Yr Two</b>	<b>Yr Two</b>	<b>Yr. Three</b>	<b>Yr Four</b>	<b>Yr Four</b>
	<b>2010</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2012</b>
<b>TOTAL (See Description Below)</b>	<b>\$12,093,759</b>	<b>\$13,954,551</b>	<b>\$15,066,708</b>	<b>\$15,519,102</b>	<b>\$15,986,144</b>

Footnotes:

\* Fully funded refers to contract work often to Human Service Agencies

\*\* Operating assistance provided by the State

\*\*\* Description of Operating Expenses: Salaries and Wages; Fringe Benefits; Legal, Accounting and Professional Services; Promotion/Marketing; Insurance; Equipment Leases and Rentals; Real Property Leases and Rentals; Non-capitalized Maintenance/Repair; Fuel costs; Tire costs; Office Supplies and Equipment; Interest Expense; Utilities; Management Fees; Travel and Training; and Other miscellaneous expense items.

Massachusetts Department of Transportation - Highway Division  
Summary of Operating and Maintenance Expenditures  
Cape Cod Region - Part 2: Federal Aid

**Section I - Federal Aid Maintenance Projects**

7/12/2011

Program Group/Sub Group	SFY 2009 Federal Aid Expenditures	SFY 2010 Federal Aid Expenditures	SFY 2011 Federal Aid Expenditures
<b>01 - Bridge Repair &amp; Replacement</b>			
New Bridge (Excluded)	n/a	n/a	n/a
Bridge Replacement (Excluded)	n/a	n/a	n/a
Bridge Reconstruction/Rehab	\$746,963	\$703,383	\$23,668
Structure Maintenance	\$0	\$2,784,469	\$0
<b>02 - Bridge Painting</b>			
Painting - Structural	\$0	\$0	\$0
<b>03 - Roadway Reconstruction</b>			
Hwy Relocation (Excluded)	n/a	n/a	n/a
Hwy Recon - Added Capacity (Excluded)	n/a	n/a	n/a
New Construction (Excluded)	n/a	n/a	n/a
Hwy Reconstr - Restr and Rehab	\$9,179,072	\$203,152	\$50,393
Hwy Reconstr - No Added Capacity	\$632,503	\$1,914,028	\$900,455
Hwy Reconstr - Minor Widening	\$131,935	\$2,188	\$0
Hwy Reconstr - Major Widening	\$0	\$0	\$0
<b>04 - Roadway Resurfacing</b>			
Resurfacing	\$1,214,678	\$2,858,210	\$79,550
<b>05 - Intersection &amp; Safety</b>			
Impact Attenuators	\$4,041	\$0	\$0
Safety Improvements	\$1,549,141	\$228,497	\$0
Traffic Signals	\$7,893	\$334,908	\$1,636,349
<b>06 - Signs &amp; Lighting</b>			
Lighting and Electrical	\$64,966	\$1,440	\$0
Sign Installation / Upgrading	\$135,948	\$65,316	\$0
Structural Signing	\$0	\$0	\$0
<b>07 - Guardrail</b>			
Guard Rail and Fencing	\$63,252	\$0	\$123
<b>08 - Maintenance</b>			
Contract Highway Maintenance	\$1,430	\$0	\$2,739
Landscape and Roadside Develop	\$290,620	\$487,443	\$499,915
Pavement Marking	\$41	\$308,991	\$0
Catch Basin Cleaning	\$0	\$0	\$0
<b>09 - Facilities</b>			
Vertical Construction	\$229,124	\$64,561	\$427
<b>10 - Bikeways (Excluded)</b>	n/a	n/a	n/a
<b>11 - Other</b>			
Intelligent Transportation Sys	\$79,448	\$0	\$143,747
Miscellaneous / No prequal	\$37,628	\$0	\$3,486
Reclamation	\$0	\$0	\$0
Drilling & Boring	\$0	\$0	\$567
Unknown	\$54	\$149,811	\$15,595
Demolition	\$0	\$0	\$0
Utilities	\$0	\$0	\$0
Marine Construction	\$0	\$0	\$3,119
<b>Section I Total</b>	<b>\$14,368,736</b>	<b>\$10,106,397</b>	<b>\$3,360,134</b>

**Section II - Federal Aid Highway Operations**

<b>11 - Other</b>			
ITS Operations - I-93 HOV Lane Operation and Towing	\$0	\$0	\$0
ITS Operations - Traffic Operations Center (South Boston)	\$0	\$0	\$0
<b>Section II Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

<b>Grand Total Federal Aid:</b>	<b>\$14,368,736</b>	<b>\$10,106,397</b>	<b>\$3,360,134</b>
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Massachusetts Department of Transportation - Highway Division  
Summary of Operating and Maintenance Expenditures  
Cape Cod - Part 1: Non-Federal Aid

## Section I - Non Federal Aid Maintenance Projects - State Bondfunds

7/12/2011

Program Group/Sub Group	SFY 2009 NFA Expenditures	SFY 2010 NFA Expenditures	SFY 2011 NFA Expenditures
<b>01 - Bridge Repair &amp; Replacement</b>			
New Bridge (Excluded)	n/a	n/a	n/a
Bridge Replacement (Excluded)	n/a	n/a	n/a
Bridge Reconstruction/Rehab	\$24,072	\$0	\$0
Drawbridge Maintenance	\$106,712	\$165,710	\$179,188
Structure Maintenance	\$1,602,046	\$2,784,469	\$2,905,453
<b>02 - Bridge Painting</b>			
Painting - Structural	\$58,419	\$0	0
<b>03 - Roadway Reconstruction</b>			
Hwy Relocation (Excluded)	n/a	n/a	n/a
Hwy Recon. - Added Capacity (Excluded)	n/a	n/a	n/a
New Construction (Excluded)	n/a	n/a	n/a
Hwy Reconstr - Restr and Rehab	\$73,297	\$10,353	\$810
Hwy Reconstr - No Added Capacity	\$2,198	\$0	\$0
Hwy Reconstr - Minor Widening	\$32,482	\$0	\$0
Hwy Reconstr - Major Widening			\$0
<b>04 - Roadway Resurfacing</b>			
Resurfacing	\$1,314,679	\$477,131	\$506,494
<b>05 - Intersection &amp; Safety</b>			
Impact Attenuators	\$24,423	\$14,688	\$13,789
Safety Improvements	\$254,384	\$0	\$0
Traffic Signals	\$64,216	\$53,794	\$33,471
<b>06 - Signs &amp; Lighting</b>			
Lighting and Electrical	\$54,377	\$65,316	\$28,709
Sign Installation / Upgrading	\$26,003	\$55,927	\$50,145
Structural Signing	\$26,780	\$0	\$152
<b>07 - Guardrail</b>			
Guard Rail and Fencing	\$34,376	\$0	\$149,246
<b>08 - Maintenance</b>			
Catch Basin Cleaning	\$99,620	\$0	\$233,535
Crack Sealing	\$70,973	\$0	\$20,892
Landscape and Roadside Develop	\$44,746	\$0	\$25,359
Mowing and Spraying	\$71,664	\$166,849	\$5,974
Pavement Marking	\$116,844	\$0	\$136,105
Sewer and Water	\$20,145	\$0	\$19,776
Process/Recycle/Trnsprt Soils	\$0	\$0	\$0
Contract Hwy Maint.	\$0	\$0	\$219,862
<b>09 - Facilities</b>			
Chemical Storage Sheds	\$5,618	\$149,811	\$9,970
Vertical Construction	\$0	\$0	\$129,764
<b>10 - Bikeways (Excluded)</b>	n/a	n/a	n/a
<b>11 - Other</b>			
Miscellaneous / No Prequal	\$21,090	\$0	\$59,711
Asbestos Removal	\$0	\$0	\$0
Demolition	\$0	\$0	\$1,570
Drilling and Boring	\$0	\$0	\$4,973
Hazardous Waste Remediation	\$0	\$0	\$1,372
Utilities	\$0	\$0	\$0
Change in Project Value	\$0	\$0	\$0
Highway Sweeping	\$0	\$0	\$0
Intelligent Transportation Sys	\$0	\$0	\$0
Unknown	\$0	\$0	\$12,890
Underground Tank Removal Replace	\$0	\$0	\$0
<b>Section I Total:</b>	<b>\$4,149,163</b>	<b>\$3,944,049</b>	<b>\$4,749,211</b>

## Section II - Non Federal Aid Highway Operations - State Operating Budget Funding

<b>12 - Snow and Ice Operations &amp; Materials</b>	\$3,594,996	\$3,408,023	\$4,801,034
<b>13 - District Maintenance</b> ( Mowing, Litter Management, Sight Distance Clearing, Etc. )	\$810,394	\$825,318	\$814,023
<b>Section II Total:</b>	<b>\$4,405,390</b>	<b>\$4,233,341</b>	<b>\$5,615,057</b>

<b>Grand Total NFA:</b>	\$8,554,553	\$8,177,390	\$10,364,267
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## C4. FINANCIAL INFORMATION

**The following pages include financial information for the Transportation Improvement Programs around the state, including statewide items and estimated available funds for Cape Cod. This financial information was received in July 2011.**

**This latest available financial information was used for development of this TIP for FFY 2012-2015.**

# Possible Transportation Enhancements Funds For FY 2011-2014

MassDOT TE allocations, November 2010

2011

*Statewide Amount Available*

\$3,000,000

Region	%	Statewide TE	Regional \$2 for \$1 match	TOTAL FFY2012-2014 Potential TE
Berkshire Region	3.5596%	\$106,788	\$213,576	\$320,364
Boston Region	42.9671%	\$1,289,013	\$2,578,026	\$3,867,039
Cape Cod	4.5851%	\$137,553	\$275,106	\$412,659
Central Mass	8.6901%	\$260,703	\$521,406	\$782,109
Franklin Region	2.5397%	\$76,191	\$152,382	\$228,573
Martha's Vineyard	0.3100%	\$9,300	\$18,600	\$27,900
Merrimack Valley	4.4296%	\$132,888	\$265,776	\$398,664
Montachusett	4.4596%	\$133,788	\$267,576	\$401,364
Nantucket	0.2200%	\$6,600	\$13,200	\$19,800
Northern Middlesex	3.9096%	\$117,288	\$234,576	\$351,864
Old Colony	4.5595%	\$136,785	\$273,570	\$410,355
Pioneer Valley	10.8099%	\$324,297	\$648,594	\$972,891
Southeastern Mass	8.9601%	\$268,803	\$537,606	\$806,409
Total:	99.9999%	\$2,999,997	\$5,999,994	\$8,999,991



# Summary of Proposed FFY 2012 - 2015 MPO Targets

July 7, 20211

	Current 2012	Proposed 2012	Current 2013	Proposed 2013	Current 2014	Proposed 2014	Proposed 2015
<b>Base Obligation Authority</b>	\$560,000,000	\$560,000,000	\$560,000,000	\$560,000,000	\$560,000,000	\$560,000,000	\$560,000,000
Redistribution, as Estimated by FHWA	\$40,000,000	\$0	\$40,000,000	\$0	\$40,000,000	\$0	\$0
<b>Total Estimated Obligation Authority Available:</b>	<b>\$600,000,000</b>	<b>\$560,000,000</b>	<b>\$600,000,000</b>	<b>\$560,000,000</b>	<b>\$600,000,000</b>	<b>\$560,000,000</b>	<b>\$560,000,000</b>
Central Artery/Tunnel Obligation Authority	-\$165,960,000	-\$160,125,000	-\$176,555,000	-\$170,710,000	-\$183,795,000	-\$178,390,000	-\$150,000,000
<b>Total Non-Earmarked O/A Available Statewide</b>	<b>\$434,040,000</b>	<b>\$399,875,000</b>	<b>\$423,445,000</b>	<b>\$389,290,000</b>	<b>\$416,205,000</b>	<b>\$381,610,000</b>	<b>\$410,000,000</b>
<b>Total Non-Earmarked Available Statewide ( Including State Match )</b>	<b>\$524,862,500</b>	<b>\$488,690,972</b>	<b>\$511,056,250</b>	<b>\$475,737,500</b>	<b>\$504,066,250</b>	<b>\$466,137,500</b>	<b>\$501,625,000</b>
<b>Statewide Infrastructure Items:</b>							
Statewide Infrastructure Program	\$1,500,000	\$6,000,000	\$6,000,000	\$6,000,000	\$6,000,000	\$6,000,000	\$6,000,000
Statewide Safety Program*	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Statewide HSIP Program	\$2,500,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000
Statewide Safe Routes to Schools Program	\$3,500,000	\$3,500,000	\$3,500,000	\$3,500,000	\$3,500,000	\$3,500,000	\$3,500,000
Statewide CMAQ	\$9,500,000	\$6,250,000	\$6,250,000	\$6,250,000	\$6,250,000	\$6,250,000	\$6,250,000
Statewide Transportation Enhancements	\$3,500,000	\$3,500,000	\$500,000	\$3,500,000	\$500,000	\$3,500,000	\$3,500,000
Statewide Recreational Trails	\$783,000	\$1,187,500	\$783,000	\$783,000	\$783,000	\$783,000	\$783,000
Statewide ITS	\$6,375,000	\$9,600,000	\$6,250,000	\$6,250,000	\$6,250,000	\$6,250,000	\$6,250,000
Statewide Design and Right of Way	\$0	\$2,000,000	\$3,000,000	\$2,000,000	\$3,000,000	\$2,000,000	\$2,000,000
Statewide Interstate Maintenance Program	\$70,000,000	\$77,222,222	\$70,000,000	\$75,000,000	\$70,000,000	\$75,000,000	\$75,000,000
Statewide NHS Preservation Program	\$12,000,000	\$12,000,000	\$9,178,750	\$12,000,000	\$9,178,750	\$12,000,000	\$12,000,000
Statewide Railroad Grade Crossings	\$500,000	\$3,000,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000
Statewide Transit	\$25,000,000	\$25,000,000	\$0	\$0	\$0	\$0	\$0
Statewide stormwater retrofits	\$0	\$10,000,000	\$0	\$10,000,000	\$0	\$10,000,000	\$10,000,000
<b>Subtotal Statewide Infrastructure Items:</b>	<b>\$135,158,000</b>	<b>\$164,259,722</b>	<b>\$110,961,750</b>	<b>\$130,783,000</b>	<b>\$110,961,750</b>	<b>\$130,783,000</b>	<b>\$130,783,000</b>
<b>Other Statewide Items:</b>							
Award Adjustments, Change Orders, Project Value Changes, Etc.	\$43,750,000	\$43,750,000	\$43,750,000	\$43,750,000	\$45,000,000	\$43,750,000	\$43,750,000
Planning	\$23,000,000	\$23,000,000	\$23,000,000	\$23,000,000	\$23,000,000	\$23,000,000	\$23,000,000
DBEs, CEPO, Pavement Lab Retrofits, and Misc. Programs	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Subtotal Other Statewide Items:</b>	<b>\$66,750,000</b>	<b>\$66,750,000</b>	<b>\$66,750,000</b>	<b>\$66,750,000</b>	<b>\$68,000,000</b>	<b>\$66,750,000</b>	<b>\$66,750,000</b>
<b>Regional Major Infrastructure Projects:</b>	<b>\$40,000,000</b>	<b>\$0</b>	<b>\$40,000,000</b>	<b>\$21,875,000</b>	<b>\$40,000,000</b>	<b>\$15,625,000</b>	<b>\$40,000,000</b>
<b>Bridge Program:</b>							
Statewide Bridge Repl. / Rehab Program	\$116,795,828	\$122,500,000	\$121,483,328	\$121,483,328	\$121,483,328	\$121,483,328	\$121,483,328
Statewide Bridge Preservation Program	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Statewide Bridge Inspection Program	\$6,250,000	\$6,250,000	\$6,250,000	\$6,250,000	\$6,250,000	\$6,250,000	\$6,250,000
<b>Subtotal Federal Aid Bridge Program:</b>	<b>\$123,045,828</b>	<b>\$128,750,000</b>	<b>\$127,733,328</b>	<b>\$127,733,328</b>	<b>\$127,733,328</b>	<b>\$127,733,328</b>	<b>\$127,733,328</b>
<b>Regional Targets:</b>							
Minimum Regional CMAQ Component:	\$0	\$0	\$20,000,000	\$20,000,000	\$20,000,000	\$20,000,000	\$20,000,000
Minimum Regional HSIP Component:	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000
Maximum Regional Non-CMAQ / HSIP Component:	\$118,908,673	\$118,931,250	\$103,611,173	\$98,596,173	\$103,611,173	\$95,246,173	\$106,358,673
<b>Total Regional Target</b>	<b>\$128,908,673</b>	<b>\$128,931,250</b>	<b>\$133,611,173</b>	<b>\$128,596,173</b>	<b>\$133,611,173</b>	<b>\$125,246,173</b>	<b>\$136,358,673</b>

\* Statewide Safety Program replaced by Statewide HSIP Program

**TITLE 23 - TRANSPORTATION FUNDING**  
Statewide Highway-Funded Program

**FEDERAL FISCAL YEAR 2012**  
**FEDERAL REGIONAL TARGETS**  
July 7, 2011

	Obligation Authority	Obl. Auth. Matching State Funds	Total Funding Based On Obl. Auth.
Base Obligation Authority	\$560,000,000		
Redistribution, as Estimated by FHWA	\$0		
<b>Total Estimated Obligation Authority Available:</b>	<b>\$560,000,000</b>		
Central Artery/Tunnel Obligation Authority	(160,125,000)		revised CA/T sched
<b>Total Non-Earmarked Available Statewide - (Including Redistribution)</b>	<b>399,875,000</b>	<b>88,815,972</b>	<b>488,690,972</b>
<b>Statewide Infrastructure Items:</b>			
Statewide Infrastructure Program	\$4,800,000	\$1,200,000	\$6,000,000
Statewide STP - Safety Program	0	\$0	\$0
Statewide HSIP Program	4,500,000	\$500,000	\$5,000,000
Statewide Safe Routes to Schools Program	3,500,000	\$0	\$3,500,000
Statewide CMAQ	5,000,000	\$1,250,000	\$6,250,000
Statewide Transportation Enhancements	2,800,000	\$700,000	\$3,500,000
Statewide Recreational Trails	950,000	\$237,500	\$1,187,500
Statewide ITS	7,680,000	\$1,920,000	\$9,600,000
Statewide Design and Right of Way	1,600,000	\$400,000	\$2,000,000
Statewide Interstate Maintenance Program	69,500,000	\$7,722,222	\$77,222,222
Statewide NHS Preservation Program	9,600,000	\$2,400,000	\$12,000,000
Statewide Railroad Grade Crossings	2,400,000	\$600,000	\$3,000,000
Statewide Transit	20,000,000	\$5,000,000	\$25,000,000
Statewide stormwater retrofits	8,000,000	\$2,000,000	\$10,000,000
<b>Subtotal Statewide Infrastructure Items:</b>	<b>\$140,330,000</b>	<b>\$23,929,722</b>	<b>\$164,259,722</b>
<b>Other Statewide Items:</b>			
Award Adjustments, Change Orders, Project Value Changes, Etc.	\$35,000,000	\$8,750,000	\$43,750,000
Planning	18,400,000	\$4,600,000	\$23,000,000
DBEs, CEPO, Pavement Lab Retrofits, and Misc. Programs	0	\$0	\$0
<b>Subtotal Other Statewide Items:</b>	<b>\$53,400,000</b>	<b>\$13,350,000</b>	<b>\$66,750,000</b>
<b>Regional Major Infrastructure Projects:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Bridge Program:</b>			
Statewide Bridge Repl. / Rehab Program	\$98,000,000	\$24,500,000	\$122,500,000
Statewide Bridge Preservation Program	0	\$0	\$0
Statewide Bridge Inspection Program	5,000,000	\$1,250,000	\$6,250,000
<b>Subtotal Federal Aid Bridge Program:</b>	<b>\$103,000,000</b>	<b>\$25,750,000</b>	<b>\$128,750,000</b>
<b>Total Regional Targets:</b>	<b>\$103,145,000</b>	<b>\$25,786,250</b>	<b>\$128,931,250</b>
Minimum Regional CMAQ Component:	\$0	\$0	\$0
Minimum Regional HSIP Component:	\$9,000,000	\$1,000,000	\$10,000,000

Region	Regional Share (%)	Regional Minimum HSIP Component With State Match	Regional Minimum CMAQ Component With State Match	Total Regional Target With State Match	STP with State Match
Berkshire Region	3.5596	\$355,964	\$0	\$4,589,494	\$4,233,529
Boston Region	42.9671	\$4,296,710	\$0	\$55,398,024	\$51,101,313
Cape Cod	4.5851	\$458,514	\$0	\$5,911,680	\$5,453,166
Central Mass	8.6901	\$869,013	\$0	\$11,204,295	\$10,335,281
Franklin Region	2.5397	\$253,975	\$0	\$3,274,526	\$3,020,552
Martha's Vineyard	0.3100	\$30,997	\$0	\$399,647	\$368,650
Merrimack Valley	4.4296	\$442,956	\$0	\$5,711,083	\$5,268,128
Montachusett	4.4596	\$445,955	\$0	\$5,749,759	\$5,303,803
Nantucket	0.2200	\$21,998	\$0	\$283,620	\$261,623
Northern Middlesex	3.9096	\$390,961	\$0	\$5,040,708	\$4,649,747
Old Colony	4.5595	\$455,954	\$0	\$5,878,677	\$5,422,723
Pioneer Valley	10.8099	\$1,080,992	\$0	\$13,937,364	\$12,856,372
Southeastern Mass	8.9601	\$896,010	\$0	\$11,552,374	\$10,656,364
<b>Total:</b>	<b>100.00</b>	<b>\$10,000,000</b>	<b>\$0</b>	<b>\$128,931,250</b>	<b>\$118,931,250</b>

Note 1: Base Obligation Authority includes Estimated Equity Bonus Exempt from Limitation

Office of Transportation Planning

**TITLE 23 - TRANSPORTATION FUNDING**  
Statewide Highway-Funded Program

**FEDERAL FISCAL YEAR 2013**  
**FEDERAL REGIONAL TARGETS**  
July 7, 2011

	Obligation Authority	Obl. Auth. Matching State Funds	Total Funding Based On Obl. Auth.
Base Obligation Authority	\$560,000,000		
Redistribution, as Estimated by FHWA	\$0		
<b>Total Estimated Obligation Authority Available:</b>	<b>\$560,000,000</b>		
Central Artery/Tunnel Obligation Authority	(170,710,000)		revised CA/T sched
<b>Total Non-Earmarked Available Statewide - (Including Redistribution)</b>	<b>389,290,000</b>	<b>86,447,500</b>	<b>475,737,500</b>
<b>Statewide Infrastructure Items:</b>			
Statewide Infrastructure Program	\$4,800,000	\$1,200,000	\$6,000,000
Statewide STP - Safety Program	0	\$0	\$0
Statewide HSIP Program	4,500,000	\$500,000	\$5,000,000
Statewide Safe Routes to Schools Program	3,500,000	\$0	\$3,500,000
Statewide CMAQ	5,000,000	\$1,250,000	\$6,250,000
Statewide Transportation Enhancements	2,800,000	\$700,000	\$3,500,000
Statewide Recreational Trails	626,400	\$156,600	\$783,000
Statewide ITS	5,000,000	\$1,250,000	\$6,250,000
Statewide Design and Right of Way	1,600,000	\$400,000	\$2,000,000
Statewide Interstate Maintenance Program	67,500,000	\$7,500,000	\$75,000,000
Statewide NHS Preservation Program	9,600,000	\$2,400,000	\$12,000,000
Statewide Railroad Grade Crossings	400,000	\$100,000	\$500,000
Statewide Transit	0	\$0	\$0
Statewide stormwater retrofits	8,000,000	\$2,000,000	\$10,000,000
<b>Subtotal Statewide Infrastructure Items:</b>	<b>\$113,326,400</b>	<b>\$17,456,600</b>	<b>\$130,783,000</b>
<b>Other Statewide Items:</b>			
Award Adjustments, Change Orders, Project Value Changes, Etc.	\$35,000,000	\$8,750,000	\$43,750,000
Planning	18,400,000	\$4,600,000	\$23,000,000
DBEs, CEPO, Pavement Lab Retrofits, and Misc. Programs	0	\$0	\$0
<b>Subtotal Other Statewide Items:</b>	<b>\$53,400,000</b>	<b>\$13,350,000</b>	<b>\$66,750,000</b>
<b>Regional Major Infrastructure Projects:</b>	<b>\$17,500,000</b>	<b>\$4,375,000</b>	<b>\$21,875,000</b>
<b>Bridge Program:</b>			
Statewide Bridge Repl. / Rehab Program	\$97,186,662	\$24,296,666	\$121,483,328
Statewide Bridge Preservation Program	0	\$0	\$0
Statewide Bridge Inspection Program	5,000,000	\$1,250,000	\$6,250,000
<b>Subtotal Federal Aid Bridge Program:</b>	<b>\$102,186,662</b>	<b>\$25,546,666</b>	<b>\$127,733,328</b>
<b>Total Regional Targets:</b>	<b>\$102,876,938</b>	<b>\$25,719,235</b>	<b>\$128,596,173</b>
Minimum Regional CMAQ Component:	\$16,000,000	\$4,000,000	\$20,000,000
Minimum Regional HSIP Component:	\$9,000,000	\$1,000,000	\$10,000,000

Region	Regional Share (%)	Regional Minimum HSIP Component With State Match	Regional Minimum CMAQ Component With State Match	Total Regional Target With State Match	STP with State Match
Berkshire Region	3.5596	\$355,964	\$711,929	\$4,577,566	\$3,509,673
Boston Region	42.9671	\$4,296,710	\$8,593,421	\$55,254,051	\$42,363,919
Cape Cod	4.5851	\$458,514	\$917,028	\$5,896,316	\$4,520,774
Central Mass	8.6901	\$869,013	\$1,738,026	\$11,175,176	\$8,568,137
Franklin Region	2.5397	\$253,975	\$507,949	\$3,266,016	\$2,504,092
Martha's Vineyard	0.3100	\$30,997	\$61,994	\$398,608	\$305,618
Merrimack Valley	4.4296	\$442,956	\$885,911	\$5,696,241	\$4,367,374
Montachusett	4.4596	\$445,955	\$891,911	\$5,734,816	\$4,396,950
Nantucket	0.2200	\$21,998	\$43,996	\$282,883	\$216,890
Northern Middlesex	3.9096	\$390,961	\$781,922	\$5,027,608	\$3,854,725
Old Colony	4.5595	\$455,954	\$911,909	\$5,863,399	\$4,495,536
Pioneer Valley	10.8099	\$1,080,992	\$2,161,984	\$13,901,142	\$10,658,166
Southeastern Mass	8.9601	\$896,010	\$1,792,021	\$11,522,351	\$8,834,320
<b>Total:</b>	<b>100.00</b>	<b>\$10,000,000</b>	<b>\$20,000,000</b>	<b>\$128,596,173</b>	<b>\$98,596,173</b>

Note 1: Base Obligation Authority includes Estimated Equity Bonus Exempt from Limitation

**TITLE 23 - TRANSPORTATION FUNDING**  
Statewide Highway-Funded Program

**FEDERAL FISCAL YEAR 2014**  
**FEDERAL REGIONAL TARGETS**  
July 7, 2011

	Obligation Authority	Obl. Auth. Matching State Funds	Total Funding Based On Obl. Auth.
Base Obligation Authority	\$560,000,000		
Redistribution, as Estimated by FHWA	\$0		
<b>Total Estimated Obligation Authority Available:</b>	<b>\$560,000,000</b>		
Central Artery/Tunnel Obligation Authority	(178,390,000)		revised CA/T sched
<b>Total Non-Earmarked Available Statewide - (Including Redistribution)</b>	<b>381,610,000</b>	<b>84,527,500</b>	<b>466,137,500</b>
<b>Statewide Infrastructure Items:</b>			
Statewide Infrastructure Program	\$4,800,000	\$1,200,000	\$6,000,000
Statewide STP - Safety Program	0	\$0	\$0
Statewide HSIP Program	4,500,000	\$500,000	\$5,000,000
Statewide Safe Routes to Schools Program	3,500,000	\$0	\$3,500,000
Statewide CMAQ	5,000,000	\$1,250,000	\$6,250,000
Statewide Transportation Enhancements	2,800,000	\$700,000	\$3,500,000
Statewide Recreational Trails	626,400	\$156,600	\$783,000
Statewide ITS	5,000,000	\$1,250,000	\$6,250,000
Statewide Design and Right of Way	1,600,000	\$400,000	\$2,000,000
Statewide Interstate Maintenance Program	67,500,000	\$7,500,000	\$75,000,000
Statewide NHS Preservation Program	9,600,000	\$2,400,000	\$12,000,000
Statewide Railroad Grade Crossings	400,000	\$100,000	\$500,000
Statewide Transit	0	\$0	\$0
Statewide stormwater retrofits	8,000,000	\$2,000,000	\$10,000,000
<b>Subtotal Statewide Infrastructure Items:</b>	<b>\$113,326,400</b>	<b>\$17,456,600</b>	<b>\$130,783,000</b>
<b>Other Statewide Items:</b>			
Award Adjustments, Change Orders, Project Value Changes, Etc.	\$35,000,000	\$8,750,000	\$43,750,000
Planning	18,400,000	\$4,600,000	\$23,000,000
DBEs, CEPO, Pavement Lab Retrofits, and Misc. Programs	0	\$0	\$0
<b>Subtotal Other Statewide Items:</b>	<b>\$53,400,000</b>	<b>\$13,350,000</b>	<b>\$66,750,000</b>
<b>Regional Major Infrastructure Projects:</b>	<b>\$12,500,000</b>	<b>\$3,125,000</b>	<b>\$15,625,000</b>
<b>Bridge Program:</b>			
Statewide Bridge Repl. / Rehab Program	\$97,186,662	\$24,296,666	\$121,483,328
Statewide Bridge Preservation Program	0	\$0	\$0
Statewide Bridge Inspection Program	5,000,000	\$1,250,000	\$6,250,000
<b>Subtotal Federal Aid Bridge Program:</b>	<b>\$102,186,662</b>	<b>\$25,546,666</b>	<b>\$127,733,328</b>
<b>Total Regional Targets:</b>	<b>\$100,196,938</b>	<b>\$25,049,235</b>	<b>\$125,246,173</b>
Minimum Regional CMAQ Component:	\$16,000,000	\$4,000,000	\$20,000,000
Minimum Regional HSIP Component:	\$9,000,000	\$1,000,000	\$10,000,000

Region	Regional Share (%)	Regional Minimum HSIP Component With State Match	Regional Minimum CMAQ Component With State Match	Total Regional Target With State Match	STP with State Match
Berkshire Region	3.5596	\$355,964	\$711,929	\$4,458,318	\$3,390,425
Boston Region	42.9671	\$4,296,710	\$8,593,421	\$53,814,653	\$40,924,522
Cape Cod	4.5851	\$458,514	\$917,028	\$5,742,714	\$4,367,172
Central Mass	8.6901	\$869,013	\$1,738,026	\$10,884,056	\$8,277,017
Franklin Region	2.5397	\$253,975	\$507,949	\$3,180,935	\$2,419,011
Martha's Vineyard	0.3100	\$30,997	\$61,994	\$388,224	\$295,234
Merrimack Valley	4.4296	\$442,956	\$885,911	\$5,547,851	\$4,218,984
Montachusett	4.4596	\$445,955	\$891,911	\$5,585,421	\$4,247,554
Nantucket	0.2200	\$21,998	\$43,996	\$275,514	\$209,521
Northern Middlesex	3.9096	\$390,961	\$781,922	\$4,896,636	\$3,723,753
Old Colony	4.5595	\$455,954	\$911,909	\$5,710,654	\$4,342,791
Pioneer Valley	10.8099	\$1,080,992	\$2,161,984	\$13,539,010	\$10,296,034
Southeastern Mass	8.9601	\$896,010	\$1,792,021	\$11,222,187	\$8,534,156
<b>Total:</b>	<b>100.00</b>	<b>\$10,000,000</b>	<b>\$20,000,000</b>	<b>\$125,246,173</b>	<b>\$95,246,173</b>

Note 1: Base Obligation Authority includes Estimated Equity Bonus Exempt from Limitation

**TITLE 23 - TRANSPORTATION FUNDING**  
Statewide Highway-Funded Program

**FEDERAL FISCAL YEAR 2015**  
**FEDERAL REGIONAL TARGETS**  
July 7, 2011

	Obligation Authority	Obl. Auth. Matching State Funds	Total Funding Based On Obl. Auth.
Base Obligation Authority	\$560,000,000		
Redistribution, as Estimated by FHWA	\$0		
<b>Total Estimated Obligation Authority Available:</b>	<b>\$560,000,000</b>		
Accelerated Bridge Program Obligation Authority	(150,000,000)		first ABP Gans
<b>Total Non-Earmarked Available Statewide - (Including Redistribution)</b>	<b>410,000,000</b>	<b>91,625,000</b>	<b>501,625,000</b>
<b>Statewide Infrastructure Items:</b>			
Statewide Infrastructure Program	\$4,800,000	\$1,200,000	\$6,000,000
Statewide STP - Safety Program	0	\$0	\$0
Statewide HSIP Program	4,500,000	\$500,000	\$5,000,000
Statewide Safe Routes to Schools Program	3,500,000	\$0	\$3,500,000
Statewide CMAQ	5,000,000	\$1,250,000	\$6,250,000
Statewide Transportation Enhancements	2,800,000	\$700,000	\$3,500,000
Statewide Recreational Trails	626,400	\$156,600	\$783,000
Statewide ITS	5,000,000	\$1,250,000	\$6,250,000
Statewide Design and Right of Way	1,600,000	\$400,000	\$2,000,000
Statewide Interstate Maintenance Program	67,500,000	\$7,500,000	\$75,000,000
Statewide NHS Preservation Program	9,600,000	\$2,400,000	\$12,000,000
Statewide Railroad Grade Crossings	400,000	\$100,000	\$500,000
Statewide Transit	0	\$0	\$0
Statewide stormwater retrofits	8,000,000	\$2,000,000	\$10,000,000
<b>Subtotal Statewide Infrastructure Items:</b>	<b>\$113,326,400</b>	<b>\$17,456,600</b>	<b>\$130,783,000</b>
<b>Other Statewide Items:</b>			
Award Adjustments, Change Orders, Project Value Changes, Etc.	\$35,000,000	\$8,750,000	\$43,750,000
Planning	18,400,000	\$4,600,000	\$23,000,000
DBEs, CEPO, Pavement Lab Retrofits, and Misc. Programs	0	\$0	\$0
<b>Subtotal Other Statewide Items:</b>	<b>\$53,400,000</b>	<b>\$13,350,000</b>	<b>\$66,750,000</b>
<b>Regional Major Infrastructure Projects:</b>	<b>\$32,000,000</b>	<b>\$8,000,000</b>	<b>\$40,000,000</b>
<b>Bridge Program:</b>			
Statewide Bridge Repl. / Rehab Program	\$97,186,662	\$24,296,666	\$121,483,328
Statewide Bridge Preservation Program	0	\$0	\$0
Statewide Bridge Inspection Program	5,000,000	\$1,250,000	\$6,250,000
<b>Subtotal Federal Aid Bridge Program:</b>	<b>\$102,186,662</b>	<b>\$25,546,666</b>	<b>\$127,733,328</b>
<b>Total Regional Targets:</b>	<b>\$109,086,938</b>	<b>\$27,271,735</b>	<b>\$136,358,673</b>
Minimum Regional CMAQ Component:	\$16,000,000	\$4,000,000	\$20,000,000
Minimum Regional HSIP Component:	\$9,000,000	\$1,000,000	\$10,000,000

Region	Regional Share (%)	Regional Minimum HSIP Component With State Match	Regional Minimum CMAQ Component With State Match	Total Regional Target With State Match	STP with State Match
Berkshire Region	3.5596	\$355,964	\$711,929	\$4,853,883	\$3,785,990
Boston Region	42.9671	\$4,296,710	\$8,593,421	\$58,589,372	\$45,699,241
Cape Cod	4.5851	\$458,514	\$917,028	\$6,252,238	\$4,876,696
Central Mass	8.6901	\$869,013	\$1,738,026	\$11,849,747	\$9,242,708
Franklin Region	2.5397	\$253,975	\$507,949	\$3,463,164	\$2,701,240
Martha's Vineyard	0.3100	\$30,997	\$61,994	\$422,670	\$329,679
Merrimack Valley	4.4296	\$442,956	\$885,911	\$6,040,085	\$4,711,218
Montachusett	4.4596	\$445,955	\$891,911	\$6,080,989	\$4,743,122
Nantucket	0.2200	\$21,998	\$43,996	\$299,959	\$233,966
Northern Middlesex	3.9096	\$390,961	\$781,922	\$5,331,091	\$4,158,208
Old Colony	4.5595	\$455,954	\$911,909	\$6,217,334	\$4,849,470
Pioneer Valley	10.8099	\$1,080,992	\$2,161,984	\$14,740,262	\$11,497,286
Southeastern Mass	8.9601	\$896,010	\$1,792,021	\$12,217,879	\$9,529,848
<b>Total:</b>	<b>100.00</b>	<b>\$10,000,000</b>	<b>\$20,000,000</b>	<b>\$136,358,673</b>	<b>\$106,358,673</b>

Note 1: Base Obligation Authority includes Estimated Equity Bonus Exempt from Limitation

## MassDOT Interstate Maintenance Program 2012 - 2015

Year	Route	Location	Proj. File	TFPCC	Dist.	TFPCC Adjust. For Inflation
2012	I-91	HOLYOKE- WEST SPRINGFIELD- INTERSTATE MAINTENANCE & RELATED WORK ON I-91 (MM10.8 TO 15.0)	605594	\$16,452,096	2	
	I-495	FRANKLIN - BELLINGHAM - MEDWAY - MILFORD - INTERSTATE RESURFACING AND RELATED WORK ON I-495	606169	\$15,104,000	3	
	I-495	HAVERHILL- INTERSTATE MAINTENANCE & RELATED WORK ON I-495	605598	\$17,794,400	4	
	I-93	BOSTON - SOMERVILLE - INTERSTATE MAINTENANCE RESURFACING AND RELATED WORK ON I-93	606167	\$10,738,000	6	
	I-495	MANSFIELD- NORTON - INTERSTATE MAINTENANCE & RELATED WORK ON I-495	605591	\$12,838,400	5	
	I-495	WESTFORD- INTERSTATE MAINTENANCE & RELATED WORK ON I-495	605586	\$3,776,000	3	
		<b>Total FFY2012:</b>		<b>\$76,702,896</b>		
2013	I-190	WORCESTER- INTERSTATE MAINTENANCE & RELATED WORK ON I-190 (NB)	605588	\$8,590,400	3	\$8,934,016
	I-95	LYNNFIELD- WAKEFIELD- INTERSTATE MAINTENANCE & RELATED WORK ON I-95	605597	\$13,192,400	4	\$13,720,096
	I-95	FOXBOROUGH - INTERSTATE MAINTENANCE & RELATED WORK ON I-95	605596	\$8,307,200	5	\$8,639,488
	I-93	WILMINGTON- WOBURN- INTERSTATE MAINTENANCE & RELATED WORK ON ROUTE I-93	604879	\$12,253,120	4	\$12,743,245
	I-95	LEXINGTON - BURLINGTON - INTERSTATE RESURFACING AND RELATED WORK ON I-95	606170	\$29,647,500	4	\$30,833,400
		<b>Total FFY2013:</b>		<b>\$71,990,620</b>		<b>\$74,870,245</b>
2014	I-91	EASTHAMPTON NORTHAMPTON - INTERSTATE MAINTENANCE AND RELATED WORK ON I-91		\$10,797,000	2	\$11,660,760
	I-91	BERNARDSTON - INTERSTATE MAINTENANCE RESURFACING AND RELATED WORK	606173	\$9,027,000	2	\$9,749,160
	I-84	STURBRIDGE- HOLLAND- INTERSTATE MAINTENANCE & RELATED WORK ON I-84	605592	\$13,275,000	3	\$14,337,000
	I-495	CHELMSFORD - LOWELL - TEWSKBURY - INTERSTATE MAINTENANCE RESURFACING AND RELATED WORK	606174	\$13,688,000	4	\$14,783,040
	I-195	NEW BEDFORD -FAIRHAVEN - INTERSTATE MAINTENANCE RESURFACING AND RELATED WORK ON I-195	606172	\$10,384,000	5	\$11,214,720
	I-495N	FOXBOROUGH - PLAINVILLE - WRENTHAM - FRANKLIN - I. M. RESURFACING AND RELATED WORK ON I-495	606176	\$12,272,000	5	\$13,253,760
		<b>Total FFY2014:</b>		<b>\$69,443,000</b>		<b>\$74,998,440</b>
2015	I-95	SHARON - INTERSTATE RESURFACING AND RELATED WORK ON I-95	606171	\$8,326,080	5	\$9,325,210
	I-495S	FOXBOROUGH - PLAINVILLE - WRENTHAM - FRANKLIN - I. M. RESURFACING AND RELATED WORK ON I-495	606176	\$9,515,520	5	\$10,657,382
	I-95	DANVERS TOPSFIELD MIDDLETON RESURFACING ON I-95		\$19,328,400	4	\$21,647,808
	I-495	CHELMSFORD		\$8,722,560	4	\$9,769,267
	I-190	STERLING		\$9,664,200	3	\$10,823,904
	I-91	HATFIELD WHATELY		\$11,151,000	2	\$12,489,120
		<b>Total FFY2015:</b>		<b>\$66,707,760</b>		<b>\$74,712,691</b>

## MassDOT - NHS Pavement Preservation Program 2012 - 2015

Year	NHS Route	Location	Proj. File	TFPCC	Dist.	TFPCC Adjust. for Inflation
2012	2	ACTON- BOXBOROUGH- LITTLETON- RESURFACING & RELATED WORK ON ROUTE 2	604472	\$6,087,564	3	
	24	RANDOLPH- CANTON- RESURFACING & RELATED WORK ON ROUTE 24	605607	\$5,890,415	6	
		Total FFY2012:		<b>\$11,977,979</b>		
2013	3	WEYMOUTH- RESURFACING & RELATED WORK ON ROUTE 3	605602	\$3,416,000	6	\$3,552,640
	114	MIDDLETON	606126	\$1,592,100	4	\$1,655,784
	6	BOURNE SANDWICH RESURFACING OF ROUTE 6 (MID CAPE HIGHWAY)	606286	\$6,405,000	5	\$6,661,200
		Total FFY2013:		<b>\$11,413,100</b>		<b>\$11,869,624</b>
2014	20	NORTHBOROUGH- RESURFACING & RELATED WORK ON ROUTE 20	605610	\$3,079,800	3	\$3,326,184
	28	BOURNE - RESURFACING OF ROUTE 28	606178	\$5,621,760	5	\$6,071,501
	7	LENOX - PITTSFIELD RESURFACING AND RELATED WORK ROUTE 7		\$2,309,850	1	\$2,494,638
		Total FFY2014:		<b>\$11,011,410</b>		<b>\$11,892,323</b>
2015	7	SHEFFIELD - GREAT BARRINGTON - RESURFACING AND RELATED WORK ON US RT. 7	606180	\$3,172,000	1	\$3,552,640
	9	CUMMINGTON RESURFACING AND RELATED WORK ON US ROUTE 9	605582	\$7,583,520	1	\$8,493,542
		Total FFY2014:		<b>\$10,755,520</b>		<b>\$12,046,182</b>

## Priscilla Leclerc

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**From:** Guenard, Mark (DOT) <mark.guenard@state.ma.us>  
**Sent:** Tuesday, August 16, 2011 8:49 AM  
**To:** Blunt, MaryEllen; Bourassa Eric ; Bradbury, Sarah; Burns, Michael; Glenn Cannon; Patty Daley; Hadfield, James; Harris, Brad (MRPC); Kilmer, Charlie (OCPC); Komornick, Tony (MVPC); Kus, Clete; Priscilla Leclerc; Mauro, Michael; McGahan, Ann; Mullaney, Maureen (FRCOG); Roscoe, Dana (PVPC); Roux, Gary; Rydant, Richard; spfalzer@ctps.org; Wolfe Pam (pwolfe@ctps.org)  
**Cc:** Mohler, David (DOT); Bench, Clinton (DOT); Woelfel, Steve (DOT); Anderson, David (DOT); Rose, Marie (DOT); Kofitsas, Kostas (DOT); Betts, William T (DOT); Cenizal, Callida (DOT); Lehmann, Andrew (DOT); Palmer, William (DOT); Pearson, Karen (DOT); Wadsworth, Trey (DOT)  
**Subject:** REVISED FFY2012-2015 Bridge Listings, 5 attached files  
**Attachments:** FFY2012 Bridge List Aug 16 2011.pdf; FFY2013 Bridge List Aug 16 2011.pdf; FFY2014 Bridge List Aug 16 2011.pdf; FFY2015 Bridge List Aug 16 2011.pdf; FFY2011-2016 AC Bridge Breakdown.pdf  
**Importance:** High

Attached for your review and use are revised versions of the FFY2012-2015 bridge lists as well and the Advance Construction (AC) conversion schedule for bridges provided by the Highway Division of MassDOT. These lists replace earlier lists sent to you all by email on July 21, 2011. The changes are detailed below:

- #605827 Chelsea - from FY15 to 16
- #605304 Haverhill - from FY15 to 16
- #605570 Pittsfield - from FY15 to 16
- #604952 is not AC'd and at its full amount in FY15 vs.. having it AC'd at \$2M
- removed the 2 Boston and Lexington "previously advertised AC bridges" from FY15 since their expenditures are done
- #603711 Needham- Wellesley is AC'd at \$2M in FY13

Please note, there is no 2016 bridge listing, so remove the Chelsea, Haverhill and Pittsfield bridge projects from your FFY2012-2015 regional TIPs.  
We will include these bridge projects in future regional TIP listings.

Please contact me or your MPO Liaison with any questions.

Mark L. Guenard, Manager of MPO Activities  
Office of Transportation Planning  
Massachusetts Department of Transportation  
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Boston, MA 02116  
617.973.8231  
[mark.guenard@state.ma.us](mailto:mark.guenard@state.ma.us)

For news and updates check out our blog at [www.mass.gov/blog/transportation](http://www.mass.gov/blog/transportation) or follow us on twitter at [www.twitter.com/massdot](http://www.twitter.com/massdot).



BRIDGE A.C. DISTRIBUTION		REVISED August 16, 25011						
PROJ #		2011	2012	2013	2014	2015	2016	TOTALS
603370	BOSTON- BRIDGE REHABILITATION, B-16-029, ROUTE 99 (ALFORD STREET) OVER MYSTIC RIVER	\$12,000,000	\$14,000,000	\$8,000,000	\$3,000,000	\$0	\$0	\$37,000,000
604517	BOSTON- BRIDGE REPLACEMENT, B-16-020=C-09-004, CHELSEA STREET OVER THE CHELSEA RIVER	\$10,000,000	\$12,000,000	\$12,000,000	\$13,000,000	\$0	\$0	\$47,000,000
82611	CHICOPEE- HOLYOKE- BRIDGE REHABILITATION, C-13-012=H-21-030, ROUTE 116 (CHICOPEE/CABOT ST) OVER CONNECTICUT RIVER & PV RR	\$8,000,000	\$8,000,000	\$3,000,000	\$0	\$0	\$0	\$19,000,000
603478	DEERFIELD- BRIDGE REHABILITATION, D-06-044 & D-06-045, ROUTE I-91 (NB & SB) OVER THE DEERFIELD RIVER (STILLWATER ROAD AND LOWER ROAD)	\$1,000,000	\$13,000,000	\$16,000,000	\$13,000,000	\$2,000,000	\$0	\$45,000,000
601585	GILL- MONTAGUE- BRIDGE REHABILITATION, G-04-010=M-28-031, AVENUE A OVER CONNECTICUT RIVER & REPAIR OF G-12-020=M-28-001, MONTAGUE CITY ROAD OVER THE CONNECTICUT RIVER	\$4,000,000	\$8,000,000	\$2,000,000	\$0	\$0	\$0	\$14,000,000
600988	GROVELAND- HAVERHILL- BRIDGE REPLACEMENT, G-15-001=H-12-012, ROUTE 97 & ROUTE 113 OVER THE MERRIMACK RIVER (BATES BRIDGE)	\$5,000,000	\$5,000,000	\$5,000,000	\$4,000,000	\$0	\$0	\$19,000,000
603722	LEXINGTON- BRIDGE REPLACEMENT, L-10-010, ROUTE 2A (MARRETT ROAD) OVER I-95/ROUTE 128	\$0	\$2,000,000	\$10,000,000	\$10,000,000	\$0	\$0	\$22,000,000
601845	LOWELL- BRIDGE REPLACEMENT, L-15-021, UNIVERSITY (TEXTILE) AVENUE OVER THE MERRIMACK RIVER AND NORTHERN CANAL	\$10,000,000	\$11,000,000	\$7,000,000	\$0	\$0	\$0	\$28,000,000
26710	LYNN- SAUGUS- BRIDGE REPLACEMENT (TEMP), L-18-016=S-05-008, ROUTE 107 OVER THE SAUGUS RIVER (FOX HILL BRIDGE)	\$500,000	\$0	\$0	\$0	\$0	\$0	\$500,000
603711	NEEDHAM- WELLESLEY- BRIDGE REHAB/REPLACEMENT ON I-95/ROUTE 128 (ADD-A-LANE - BRIDGE V)	\$0	\$0	\$2,000,000	\$6,500,000	\$2,000,000	\$0	\$10,500,000
601806	NORTH ADAMS- BRIDGE REHABILITATION, N-14-018 (HADLEY OVERPASS) ROUTE 8 (STATE STREET) OVER B&M RR AND HOOSIC RIVER	\$5,000,000	\$1,000,000	\$0	\$0	\$0	\$0	\$6,000,000
604029	OAK BLUFFS- TISBURY- BRIDGE REPLACEMENT, O-01-001=T-04-001, BEACH ROAD OVER LAGOON POND DRAWBRIDGE	\$0	\$2,000,000	\$9,000,000	\$6,000,000	\$13,000,000	\$0	\$30,000,000
600933	WESTFIELD- BRIDGE REHABILITATION, W-25-010, W-25-022 & CONSTRUCTION OF NEW BRIDGE, W-25-052 (GREAT RIVER BRIDGE)	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$1,000,000
13		\$56,500,000	\$76,000,000	\$74,000,000	\$55,500,000	\$17,000,000	\$0	\$279,000,000

FY2012 BRIDGE LIST		REVISED August 16, 2011	
PROJ #	DESCRIPTION	D	TFPC
604023	AMHERST- BRIDGE REHABILITATION, A-08-006, PELHAM ROAD OVER FORT RIVER	2	\$1,135,650.00
605561	AUBURN- BRIDGE DECK REPLACEMENT & SUBSTRUCTURE REPAIRS, A-17-029, SWANSON ROAD OVER I-290	3	\$5,448,700.00
606058	BOXFORD- GEORGETOWN- CLEANING & PAINTING OF 4 BRIDGES ALONG I-95	4	\$5,766,762.80
606441	BUCKLAND- BRIDGE REPLACEMENT, B-28-002, ROUTE 112 (ASHFIELD ROAD) OVER CLARKS BROOK	1	\$2,040,420.00
605414	FOXBOROUGH- BRIDGE PRESERVATION, F-06-015, I-95 OVER GREEN STREET	5	\$2,400,000.00
602839	FRAMINGHAM- BRIDGE REPLACEMENT, F-07-009, CENTRAL STREET OVER SUDBURY RIVER	3	\$3,033,000.00
605104	LEOMINSTER- BRIDGE RECONSTRUCTION, L-08-024, ROUTE 12 OVER ROUTE 2 (EB & WB)	3	\$8,050,000.00
605773	LEOMINSTER- SUPERSTRUCTURE REPLACEMENT, L-08-028, HAMILTON STREET OVER ROUTE 2	3	\$5,978,914.13
603722	LEXINGTON- BRIDGE REPLACEMENT, L-10-010, ROUTE 2A (MARRETT ROAD) OVER I-95/ROUTE 128	4	<b>\$2,000,000.00</b>
605821	MANSFIELD- BRIDGE REHABILITATION, M-03-026, GROVE STREET OVER I-95, M-03-027, I-495 OVER I-95 & M-03-028, WEST STREET OVER I-495	5	\$3,300,000.00
604242	NORTHAMPTON- BRIDGE REPLACEMENT, N-19-035, KENNEDY ROAD OVER ROBERTS MEADOW BROOK	2	\$1,169,287.50
604029	OAK BLUFFS- TISBURY- BRIDGE REPLACEMENT, O-01-001=T-04-001, BEACH ROAD OVER LAGOON POND DRAWBRIDGE	5	<b>\$2,000,000.00</b>
604175	ROYALSTON- BRIDGE REPLACEMENT, R-12-004, NORTHEAST FITZWILLIAM ROAD OVER THE LAWRENCE BROOK	2	\$1,559,648.75
604065	WORCESTER- BRIDGE RECONSTRUCTION, W-44-094, (SR 9) BELMONT STREET OVER I-290	3	\$6,422,261.25
<b>14</b>			<b>\$50,304,644.43</b>

AC BRIDGES PREVIOUSLY ADVERTISED			
603370	BOSTON- BRIDGE REHABILITATION, B-16-029, ROUTE 99 (ALFORD STREET) OVER MYSTIC RIVER	4	\$14,000,000
604517	BOSTON- BRIDGE REPLACEMENT, B-16-020=C-09-004, CHELSEA STREET OVER THE CHELSEA RIVER	4	\$12,000,000
82611	CHICOPEE- HOLYOKE- BRIDGE REHABILITATION, C-13-012=H-21-030, ROUTE 116 (CHICOPEE/CABOT ST) OVER CONNECTICUT RIVER & PV RR (AKA WILLIMANSETT BRIDGE)	2	\$8,000,000
603478	DEERFIELD- BRIDGE REHABILITATION, D-06-044 & D-06-045, ROUTE I-91 (NB & SB) OVER THE DEERFIELD RIVER (STILLWATER ROAD AND LOWER ROAD)	2	\$13,000,000
601585	GILL- MONTAGUE- BRIDGE REHABILITATION, G-04-010=M-28-031, AVENUE A OVER CONNECTICUT RIVER & REPAIR OF G-12-020=M-28-001, MONTAGUE CITY ROAD OVER THE CONNECTICUT RIVER	2	\$8,000,000
600988	GROVELAND- HAVERHILL- BRIDGE REPLACEMENT, G-15-001=H-12-012, ROUTE 97 & ROUTE 113 OVER THE MERRIMACK RIVER (BATES BRIDGE)	4	\$5,000,000
601845	LOWELL- BRIDGE DEMOLITION, L-15-021 & NEW BRIDGE CONSTRUCTION, L-15-095, UNIVERSITY (TEXTILE) AVENUE OVER THE MERRIMACK RIVER AND NORTHERN CANAL	4	\$11,000,000
601806	NORTH ADAMS- BRIDGE REHABILITATION, N-14-018 (HADLEY OVERPASS) ROUTE 8 (STATE STREET) OVER B&M RR AND HOOSIC RIVER	1	\$1,000,000
<b>8</b>			<b>\$72,000,000</b>

SUMMARY			
<b>14</b>	FA \$		<b>\$50,304,644.43</b>
<b>8</b>	AC \$		<b>\$72,000,000.00</b>
<b>22</b>	<b>TOTAL \$</b>		<b>\$122,304,644.43</b>

BRIDGE BUDGET = **\$122,500,000.00**  
 DIFFERENCE = **\$195,355.57**

FY2013 BRIDGE LIST		REVISED August 16, 2011		
PROJ #	DESCRIPTION	D	TFPC	4% INFLATION TFPC
604642	BERKLEY- BRIDGE REPLACEMENT, B-08-003, PADEFORD STREET OVER STATE ROUTE 24	5	\$4,906,127.20	\$5,102,372.29
604428	CHELSEA- BRIDGE REPLACEMENT, C-09-001, WASHINGTON AVENUE OVER THE MBTA AND B&M RAILROAD	6	\$3,576,000.00	\$3,719,040.00
600496	DARTMOUTH- RAMP CONSTRUCTION AT ROUTE I-195 & FAUNCE CORNER ROAD (PHASE I) INCLUDES BRIDGE WIDENING, D-04-016, FAUNCE CORNER ROAD OVER I-195	5	<b>\$9,000,000.00</b>	\$9,360,000.00
605838	FALL RIVER- BRIDGE BETTERMENT, F-02-042, WILSON ROAD OVER ROUTE 24	5	\$7,554,300.00	\$7,856,472.00
604839	LAWRENCE- BRIDGE REPLACEMENT, L-04-027, LOWELL STREET OVER B&M RAILROAD	4	\$4,500,000.00	\$4,680,000.00
603514	LEOMINSTER- BRIDGE REPLACEMENT, L-08-014, WHITNEY STREET OVER THE MONOOSNOC BROOK	3	\$2,430,800.00	\$2,528,032.00
602932	LOWELL- BRIDGE REPLACEMENT, L-15-058, VFW HIGHWAY OVER BEAVER BROOK	4	\$5,750,000.00	\$5,980,000.00
602178	MONSON- BRIDGE REPLACEMENT, M-27-011, HOSPITAL ROAD OVER THE QUABOAG STREAM	2	\$1,504,800.00	\$1,564,992.00
603711	NEEDHAM- WELLESLEY- REHAB/REPLACEMENT OF 6 BRIDGES ON I-95/ROUTE 128: N-04-020, N-04-021, N-04-022, N-04-026, N-04-027 & W-13-023 (ADD-A-LANE - CONTRACT V)	6	<b>\$2,000,000.00</b>	\$2,000,000.00
603473	NORTH READING- READING- BRIDGE REPLACEMENT, N-18-008=R-03-003, ROUTE 28 (MAIN STREET) OVER THE IPSWICH RIVER	4	\$1,502,210.40	\$1,562,298.82
603255	PITTSFIELD- BRIDGE REPLACEMENT, P-10-049, LAKEWAY DRIVE OVER ONOTA LAKE	1	\$1,508,563.80	\$1,568,906.35
602587	WESTMINSTER- BRIDGE REPLACEMENT, W-28-017, ROUTE 12 (ASHBURNHAM ROAD) OVER PHILLIPS BROOK	3	\$1,440,000.00	\$1,497,600.00
<b>12</b>			<b>\$45,672,801.40</b>	<b>\$47,419,713.46</b>

AC BRIDGES PREVIOUSLY ADVERTISED				
603370	BOSTON- BRIDGE REHABILITATION, B-16-029, ROUTE 99 (ALFORD STREET) OVER MYSTIC RIVER	4	\$8,000,000	
604517	BOSTON- BRIDGE REPLACEMENT, B-16-020=C-09-004, CHELSEA STREET OVER THE CHELSEA RIVER	4	\$12,000,000	
82611	CHICOPEE- HOLYOKE- BRIDGE REHABILITATION, C-13-012=H-21-030, ROUTE 116 (CHICOPEE/CABOT ST) OVER CONNECTICUT RIVER & PV RR (AKA WILLIMANSETT BRIDGE)	2	\$3,000,000	
603478	DEERFIELD- BRIDGE REHABILITATION, D-06-044 & D-06-045, ROUTE I-91 (NB & SB) OVER THE DEERFIELD RIVER (STILLWATER ROAD AND LOWER ROAD)	2	\$16,000,000	
601585	GILL- MONTAGUE- BRIDGE REHABILITATION, G-04-010=M-28-031, AVENUE A OVER CONNECTICUT RIVER & REPAIR OF G-12-020=M-28-001, MONTAGUE CITY ROAD OVER THE CONNECTICUT RIVER	2	\$2,000,000	
600988	GROVELAND- HAVERHILL- BRIDGE REPLACEMENT, G-15-001=H-12-012, ROUTE 97 & ROUTE 113 OVER THE MERRIMACK RIVER (BATES BRIDGE)	4	\$5,000,000	
603722	LEXINGTON- BRIDGE REPLACEMENT, L-10-010, ROUTE 2A (MARRETT ROAD) OVER I-95/ROUTE 128	4	\$10,000,000.00	
601845	LOWELL- BRIDGE DEMOLITION, L-15-021 & NEW BRIDGE CONSTRUCTION, L-15-095, UNIVERSITY (TEXTILE) AVENUE OVER THE MERRIMACK RIVER AND NORTHERN CANAL	4	\$7,000,000	
604029	OAK BLUFFS- TISBURY- BRIDGE REPLACEMENT, O-01-001=T-04-001, BEACH ROAD OVER LAGOON POND DRAWBRIDGE		\$9,000,000	
<b>9</b>			<b>\$72,000,000</b>	

SUMMARY			
<b>12</b>	<b>FA \$ (inflated)</b>		<b>\$47,419,713.46</b>
<b>9</b>	<b>AC \$</b>		<b>\$72,000,000.00</b>
<b>21</b>	<b>FA TOTALS</b>		<b>\$119,419,713.46</b>
		<b>BRIDGE BUDGET =</b>	<b>\$121,500,000.00</b>
		<b>DIFFERENCE =</b>	<b>\$2,080,286.54</b>

FY2014 BRIDGE LIST		REVISED August 16, 2011		
PROJ #	DESCRIPTION	D	TFPC	8% INFLATED TFPC
605384	AGAWAM- WEST SPRINGFIELD- BRIDGE RECONSTRUCTION, A-05-002=W-21-014, ROUTE 147 OVER THE WESTFIELD RIVER & INTERSECTION & SIGNAL IMPROVEMENTS @ 3 LOCATIONS	2	\$13,336,000.00	\$14,402,880.00
400102	ATHOL- BRIDGE REPLACEMENTS, BR# A-15-009 CHESTNUT HILL AVENUE (ROUTE 32) OVER THE MILLER'S RIVER & A-15-012 OVER THE B&M RR	2	\$1,500,000.00	\$1,620,000.00
604189	BERNARDSTON- BRIDGE REPLACEMENT, B-10-004, BRATTLEBORO ROAD (SHATTUCK BROOK)	2	\$1,680,000.00	\$1,814,400.00
604462	BOSTON- BRIDGE REPLACEMENT, B-16-209, WEST SECOND STREET OVER HAUL ROAD & CSX RR	6	\$1,268,000.00	\$1,369,440.00
606449	CAMBRIDGE- BRIDGE PRESERVATION, C-01-008, FIRST STREET BRIDGE & C-01-040, LAND BOULEVARD/BROAD CANAL BRIDGE	6	\$3,600,000.00	\$3,888,000.00
602564	CARVER- MIDDLEBOROUGH- BRIDGE REPLACEMENT, C-04-004=M-18-025, ROCHESTER ROAD OVER WEWEANTIC RIVER	5	\$652,000.00	\$704,160.00
600935	HOLYOKE- BRIDGE REPLACEMENTS, H-21-014, ROUTE 141 (APPLETON STREET) OVER SECOND LEVEL CANAL & H-21-020 OVER FIRST LEVEL CANAL	2	\$9,545,000.00	\$10,308,600.00
605774	HOPKINTON- BRIDGE BETTERMENT, H-23-012, I-90 RAMP OVER I-495	3	\$5,341,960.00	\$5,769,316.80
602994	HUNTINGTON- BRIDGE REPLACEMENT, H-27-006, ROUTE 112 OVER THE WESTFIELD RIVER & CSX RAILROAD	1	\$4,900,000.00	\$5,292,000.00
603778	LANESBOROUGH- BRIDGE REPLACEMENT, L-03-024, NARRAGANSETT AVENUE OVER PONTOOSUC LAKE	1	\$1,150,000.00	\$1,242,000.00
605618	LUDLOW- WILBRAHAM- BRIDGE REHABILITATION, L-16-002=W-35-002, EAST STREET OVER THE CHICOPEE RIVER	2	\$950,000.00	\$1,026,000.00
606309	ORANGE- BRIDGE REPLACEMENT, O-03-021, ROUTE 2 OVER ROUTE 202	2	\$6,900,000.00	\$7,452,000.00
603560	PITTSFIELD- BRIDGE REPLACEMENT, P-10-026, ELM STREET OVER THE EAST BRANCH OF HOUSATONIC RIVER	1	\$2,107,728.00	\$2,276,346.24
606383	RAYNHAM- BRIDGE DECK REPLACEMENT, R-02-025, ROUTE 138 OVER I-495	5	\$1,920,000.00	\$2,073,600.00
603008	WOBURN- BRIDGE REPLACEMENT, W-43-003, SALEM STREET OVER MBTA	4	\$1,680,000.00	\$1,814,400.00
603516	WORCESTER- BRIDGE REPLACEMENT, W-44-063, ROUTE 122 (GRAFTON STREET) OVER ROUTE 20	3	\$4,506,000.00	\$4,866,480.00
<b>16</b>			<b>\$61,036,688.00</b>	<b>\$65,919,623.04</b>

AC BRIDGES PREVIOUSLY ADVERTISED				
603370	BOSTON- BRIDGE REHABILITATION, B-16-029, ROUTE 99 (ALFORD STREET) OVER MYSTIC RIVER	4	\$3,000,000	
604517	BOSTON- BRIDGE REPLACEMENT, B-16-020=C-09-004, CHELSEA STREET OVER THE CHELSEA RIVER	4	\$13,000,000	
603478	DEERFIELD- BRIDGE REHABILITATION, D-06-044 & D-06-045, ROUTE I-91 (NB & SB) OVER THE DEERFIELD RIVER (STILLWATER ROAD AND LOWER ROAD)	2	\$13,000,000	
600988	GROVELAND- HAVERHILL- BRIDGE REPLACEMENT, G-15-001=H-12-012, ROUTE 97 & ROUTE 113 OVER THE MERRIMACK RIVER (BATES BRIDGE)	4	\$4,000,000	
603722	LEXINGTON- BRIDGE REPLACEMENT, L-10-010, ROUTE 2A (MARRETT ROAD) OVER I-95/ROUTE 128	4	\$10,000,000	
603711	NEEDHAM- WELLESLEY- REHAB/REPLACEMENT OF 6 BRIDGES ON I-95/ROUTE 128: N-04-020, N-04-021, N-04-022, N-04-026, N-04-027 & W-13-023 (ADD-A-LANE - CONTRACT V)	4	\$6,500,000	
604029	OAK BLUFFS- TISBURY- BRIDGE REPLACEMENT, O-01-001=T-04-001, BEACH ROAD OVER LAGOON POND DRAWBRIDGE		\$6,000,000	
<b>7</b>			<b>\$55,500,000</b>	

SUMMARY			
<b>16</b>	<b>FA \$ (inflated)</b>	<b>\$65,919,623.04</b>	
<b>7</b>	<b>AC \$</b>	<b>\$55,500,000.00</b>	
<b>23</b>	<b>TOTALS</b>	<b>\$121,419,623.04</b>	
		<b>BRIDGE BUDGET = \$121,500,000.00</b>	
		<b>DIFFERENCE = \$80,376.96</b>	

FY2015 BRIDGE LIST		REVISED August 16, 2011		
PROJ #	DESCRIPTION	D	TFPC	12% INFLATED TFPC
600867	BOSTON- BRIDGE REPLACEMENT, B-16-237, MASSACHUSETTS AVENUE (ROUTE 2A) OVER COMMONWEALTH AVENUE	6	\$20,700,000.00	\$23,184,000.00
604721	CHESTER- BRIDGE REPLACEMENT, C-11-020, GEORGE MILLER ROAD OVER THE MIDDLE BRANCH OF THE WESTFIELD RIVER	1	\$1,055,422.50	\$1,182,073.20
600936	HOLYOKE- BRIDGE REPLACEMENT, H-21-018, LYMAN STREET OVER FIRST LEVEL CANAL	2	\$9,769,000.00	\$10,941,280.00
604952	LYNN- SAUGUS- BRIDGE REPLACEMENT, L-18-016=S-05-008, ROUTE 107 OVER THE SAUGUS RIVER (AKA - BELDEN G. BLY BRIDGE)	4	<b>\$42,000,000.00</b>	\$47,040,000.00
605843	NORTH ADAMS- BRIDGE BETTERMENT, N-14-016, ROUTE 2 OVER THE HOOSIC RIVER	1	\$4,276,137.00	\$4,789,273.44
606030	NORTH ATTLEBORO- DECK REPLACEMENT, N-16-047, TONER BOULEVARD OVER I-95	5	\$4,800,000.00	\$5,376,000.00
604507	OXFORD- CULVERT REPLACEMENT, O-06-001, COMINS ROAD OVER FRENCH RIVER	3	\$1,303,037.51	\$1,459,402.01
605749	REHOBOTH- BRIDGE REPLACEMENT, R-04-001, ROUTE 44 (WINTHROP STREET) OVER THE PALMER RIVER & REHAB OF R-04-014, ROUTE 44 OVER PALMER RIVER BYPASS	5	\$2,541,529.00	\$2,846,512.48
604515	ROYALSTON- BRIDGE REPLACEMENT, R-12-006, NORTH FITZWILLIAM ROAD OVER LAWRENCE BROOK	2	\$1,168,400.00	\$1,308,608.00
604339	WESTHAMPTON- BRIDGE REHABILITATION, W-27-015, NORTH ROAD OVER ROBERTS MEADOW BROOK	2	\$1,093,833.56	\$1,225,093.59
42603	WILMINGTON- BRIDGE REPLACEMENT, W-38-002, ROUTE 38 (MAIN STREET) OVER THE B&M RAILROAD	4	\$4,320,000.00	\$4,838,400.00
<b>11</b>			<b>\$93,027,359.57</b>	<b>\$104,190,642.72</b>

AC BRIDGES PREVIOUSLY ADVERTISED				
603478	DEERFIELD- BRIDGE REHABILITATION, D-06-044 & D-06-045, ROUTE I-91 (NB & SB) OVER THE DEERFIELD RIVER (STILLWATER ROAD AND LOWER ROAD)	2	\$2,000,000	
603711	NEEDHAM- WELLESLEY- REHAB/REPLACEMENT OF 6 BRIDGES ON I-95/ROUTE 128: N-04-020, N-04-021, N-04-022, N-04-026, N-04-027 & W-13-023 (ADD-A-LANE - CONTRACT V)	4	\$2,000,000	
604029	OAK BLUFFS- TISBURY- BRIDGE REPLACEMENT, O-01-001=T-04-001, BEACH ROAD OVER LAGOON POND DRAWBRIDGE		\$13,000,000	
<b>3</b>			<b>\$17,000,000</b>	

SUMMARY			
<b>11</b>	<b>FA \$ (inflated)</b>		<b>\$104,190,642.72</b>
<b>3</b>	<b>AC \$</b>		<b>\$17,000,000.00</b>
<b>14</b>	<b>TOTALS</b>		<b>\$121,190,642.72</b>
		<b>BRIDGE BUDGET =</b>	<b>\$121,500,000.00</b>
		<b>DIFFERENCE =</b>	<b>\$309,357.28</b>

## CAPE COD COMMISSION

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